OIPE JC141
APR 14 2003
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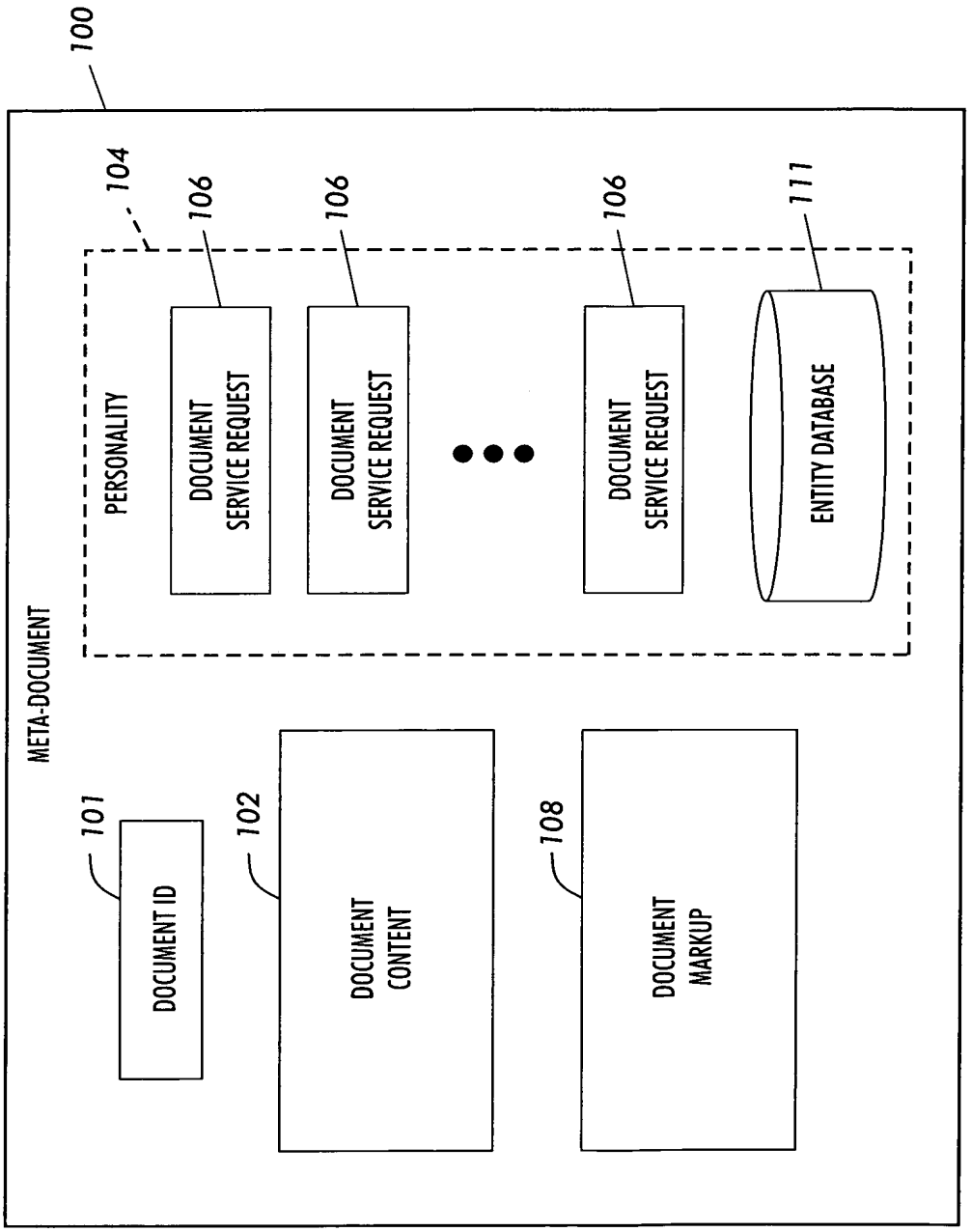

FIG. 1

OIPE
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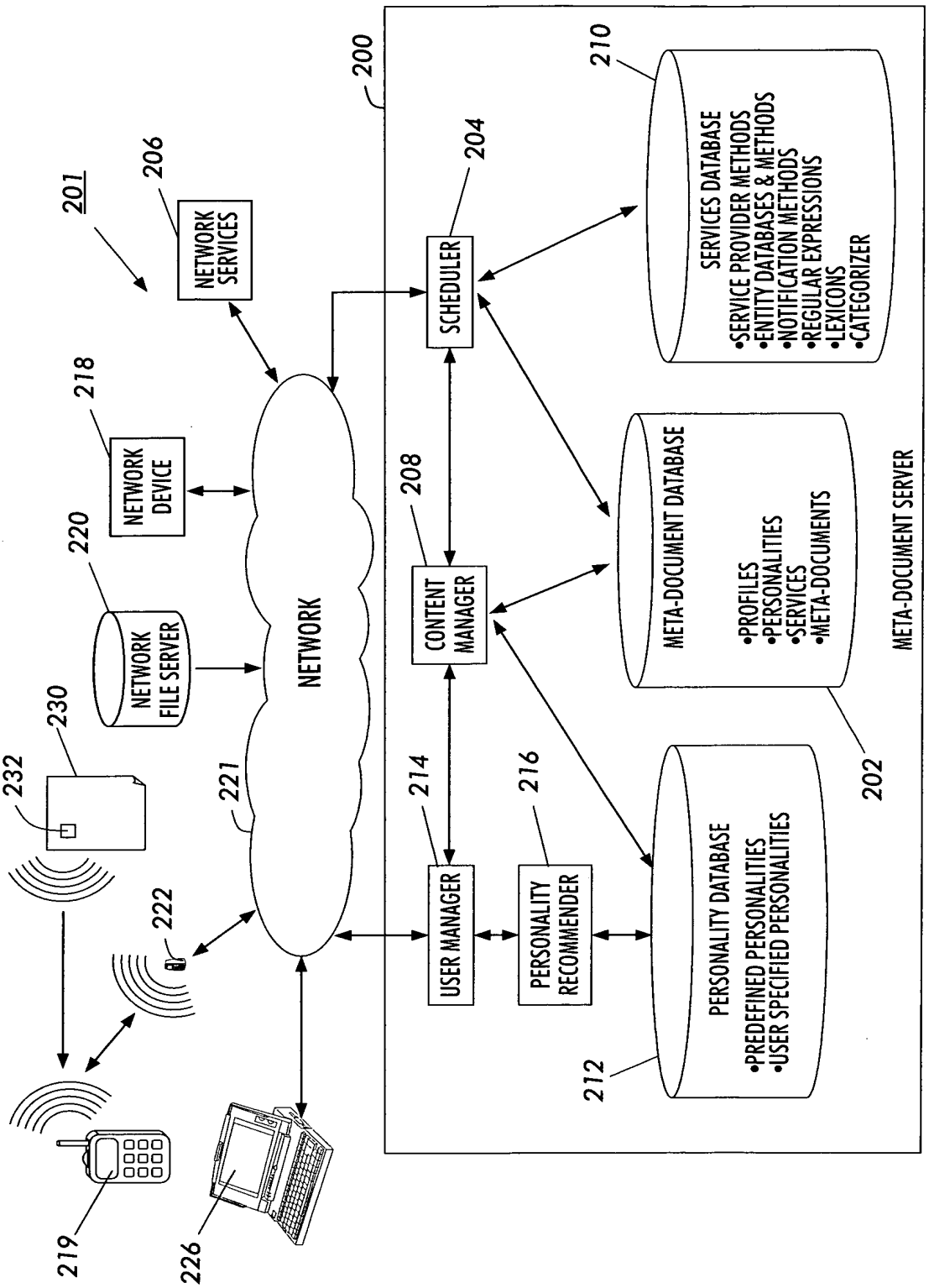

FIG. 2

OIPE JC141 APR 14 2003 PATENT & TRADEMARK OFFICE

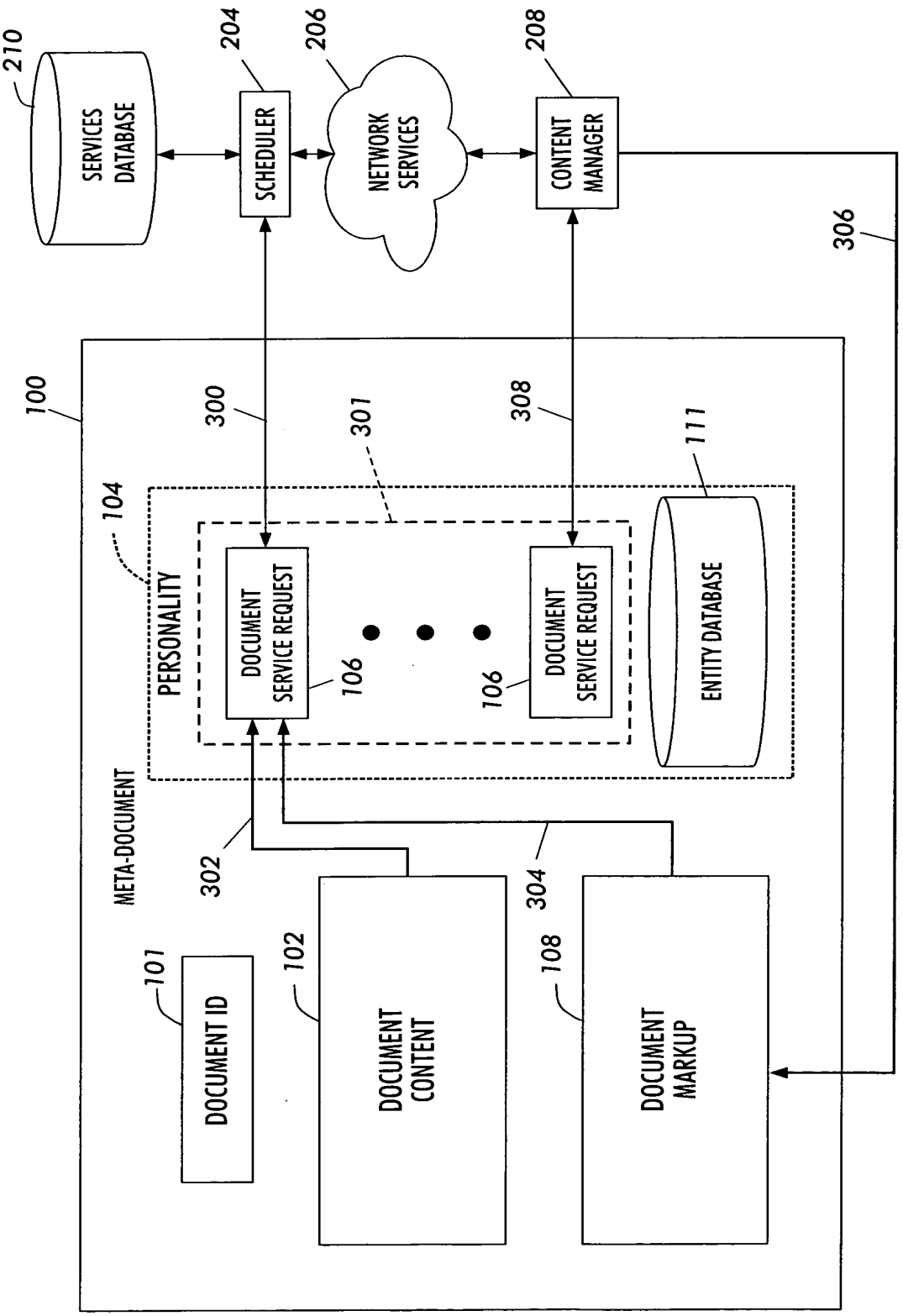

FIG. 3

OIPE JC141 APR 14 2003 PATENT & TRADEMARK

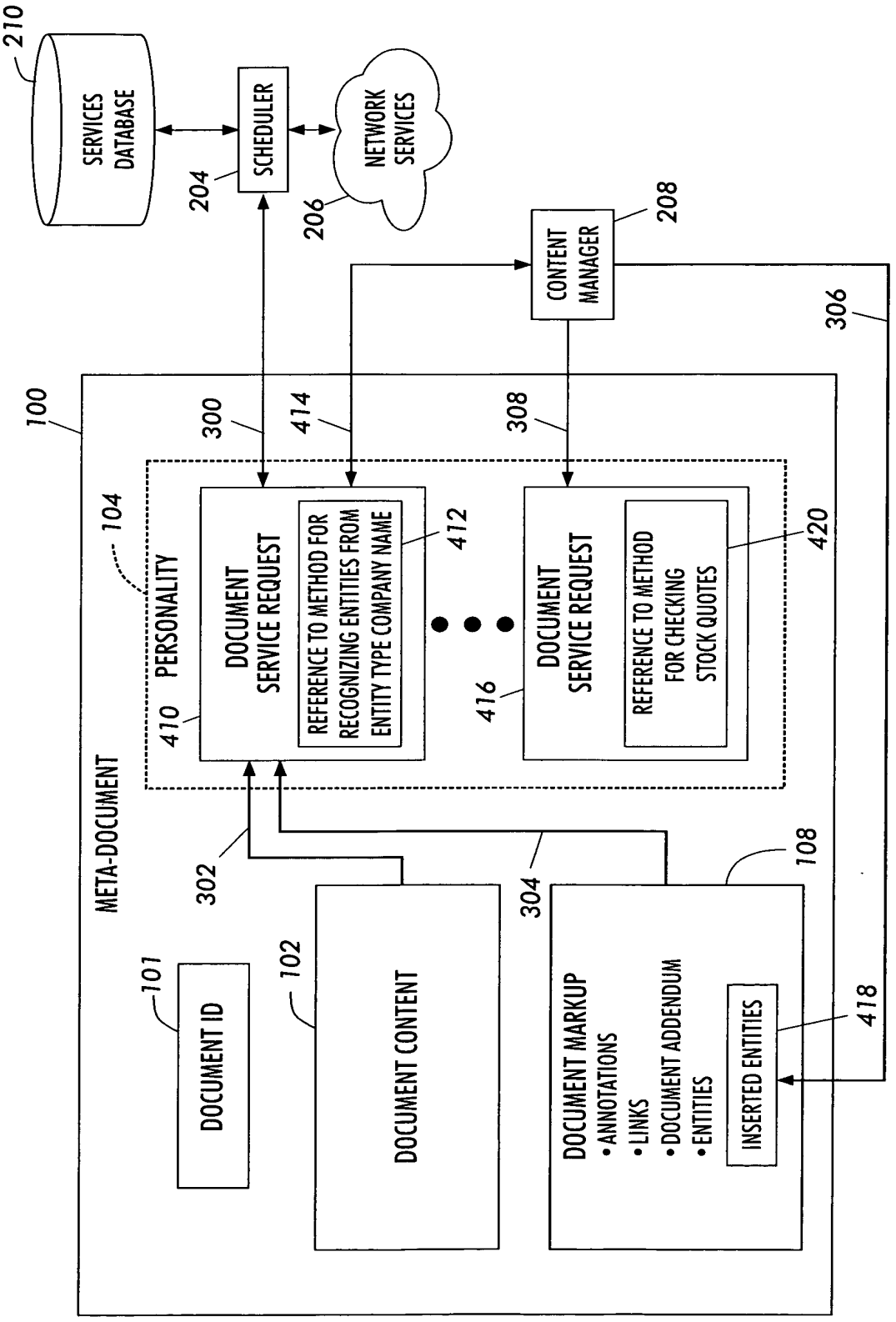

FIG. 4

OIPE JC141
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PATENT & TRADEMARK OFFICE

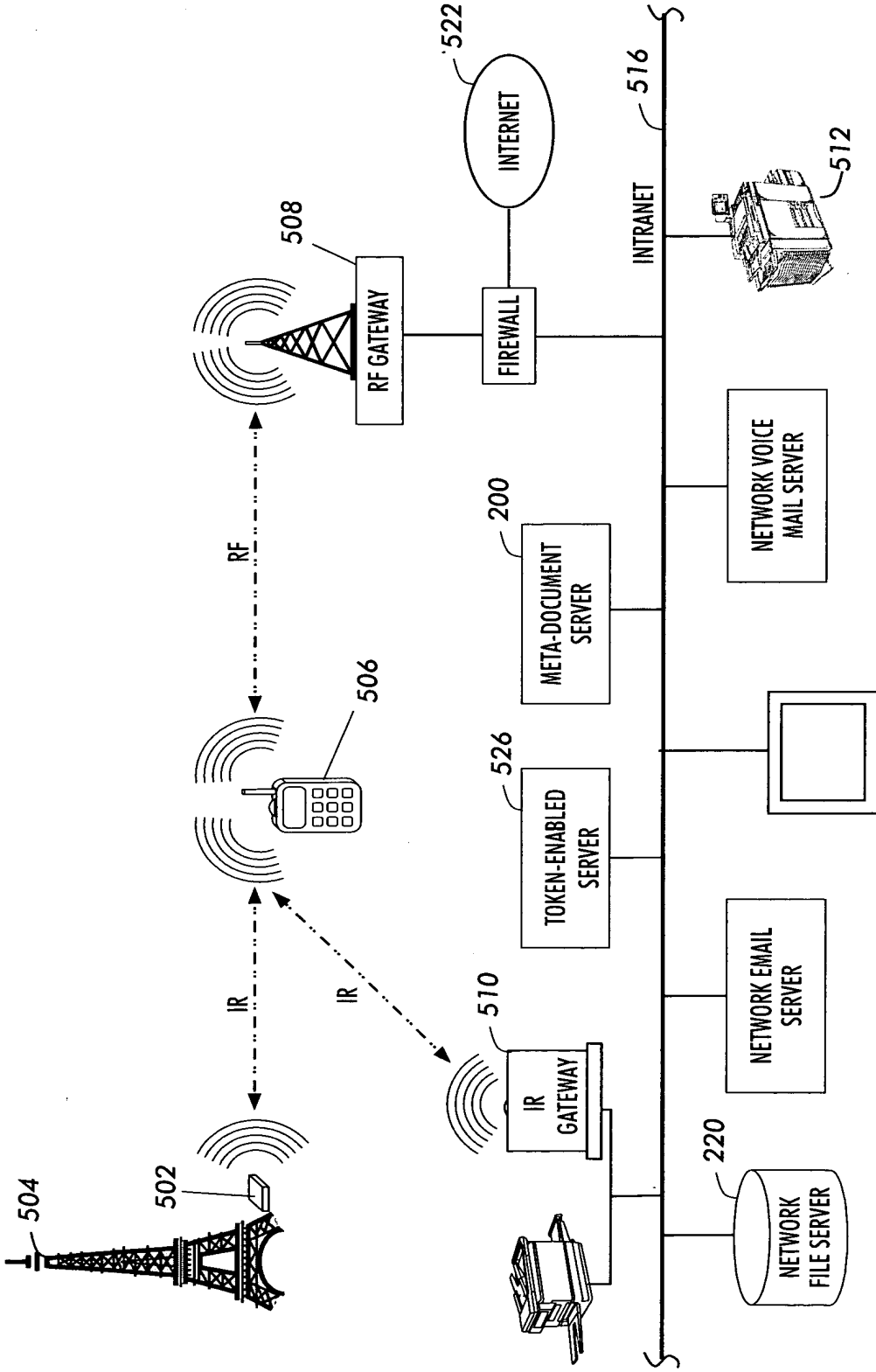

FIG. 5

OIPE JC141
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PATENT & TRADEMARK OFFICE

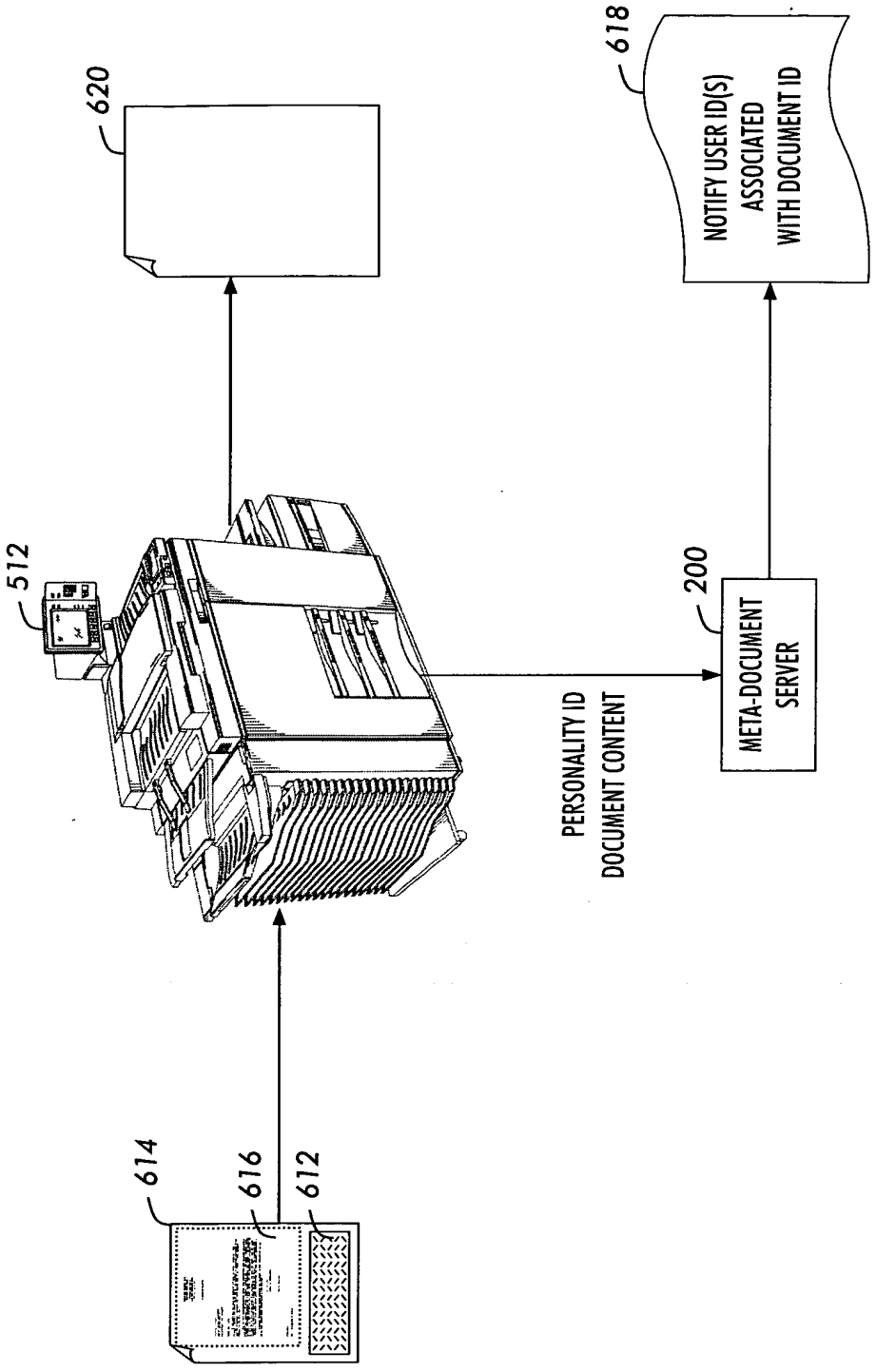

FIG. 6

OIPE JC14
APR 14 2003
PATENT & TRADEMARK OFFICE

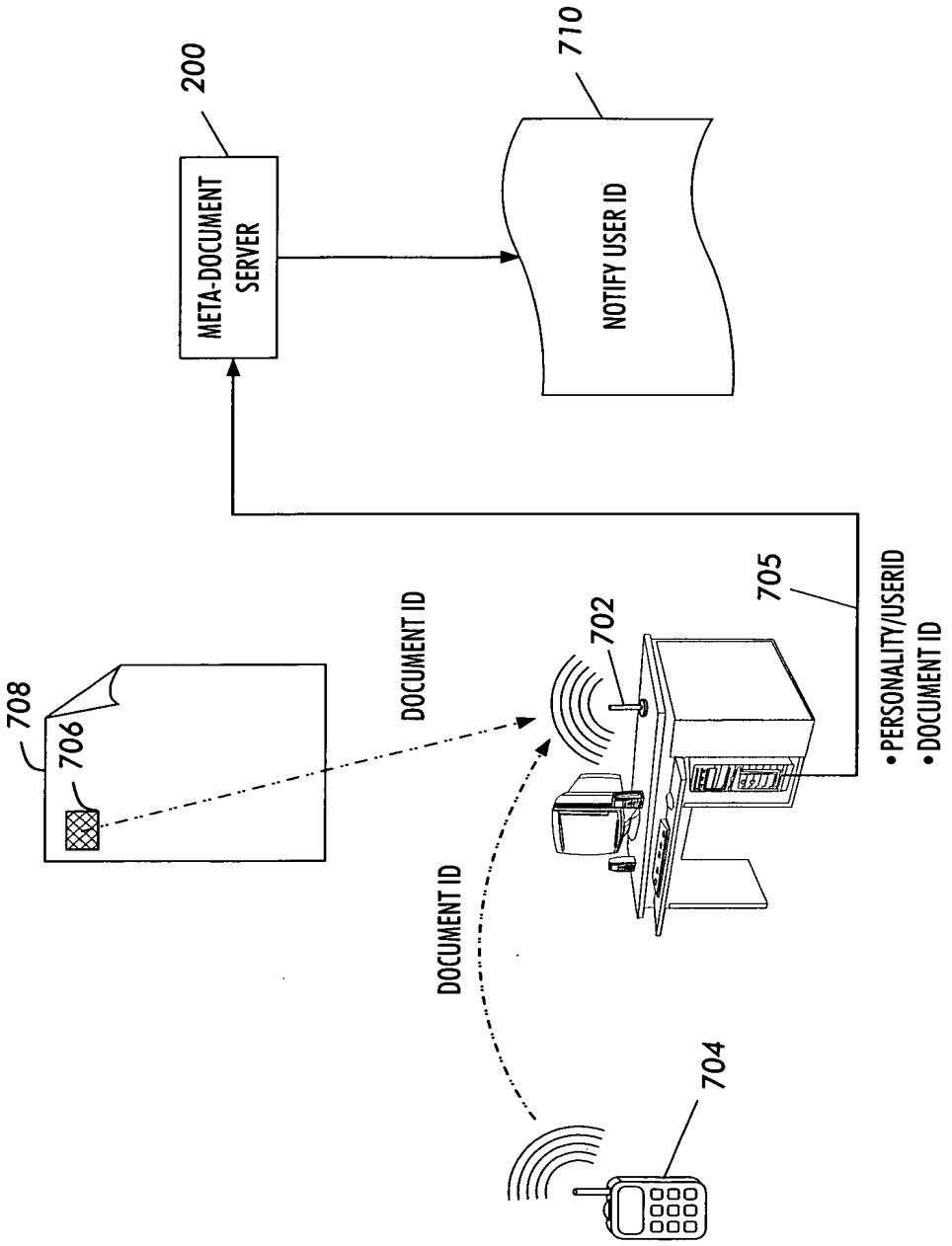

FIG. 7

OIPE JC141
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PATENT & TRADEMARK OFFICE

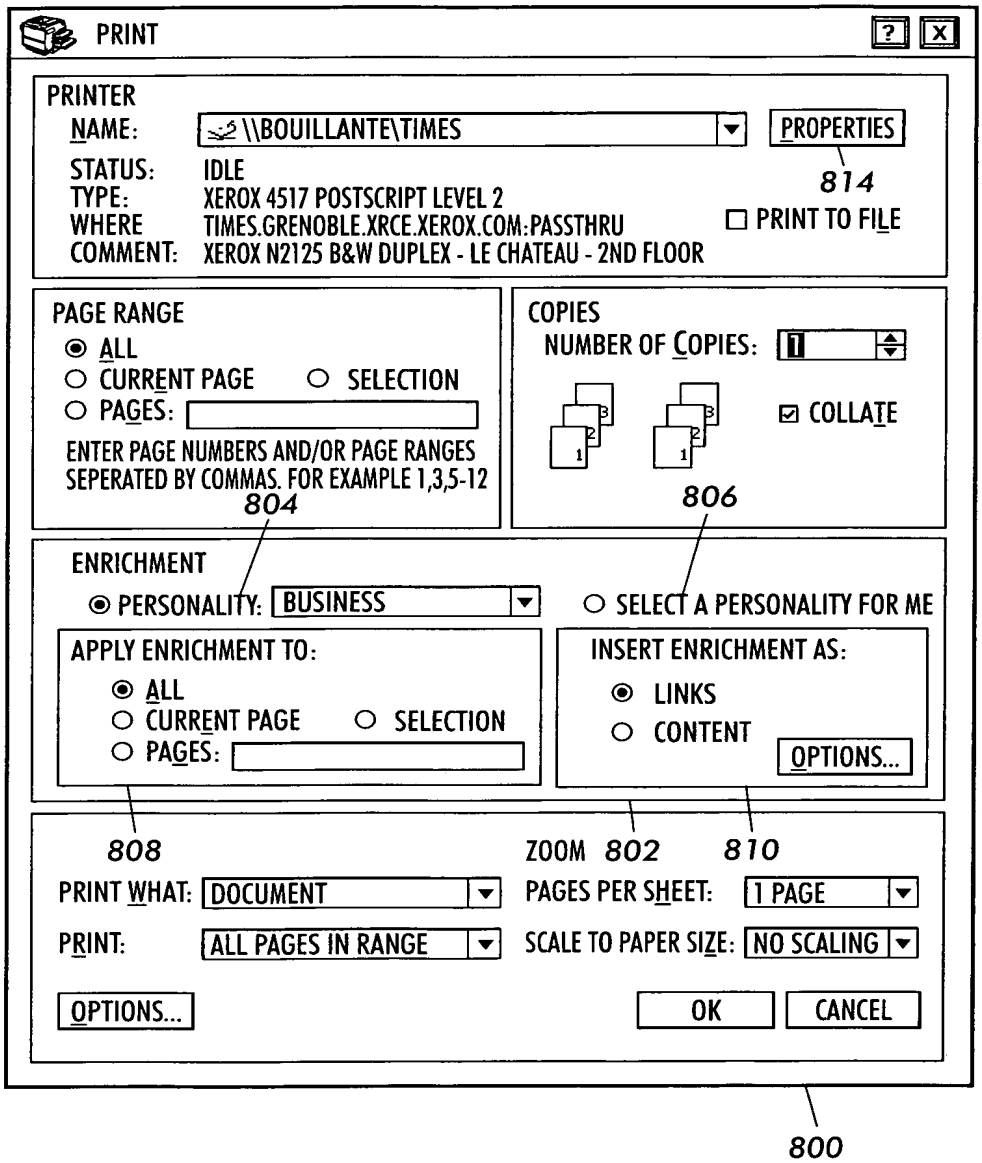

FIG. 8

OIPE JC141 APR 14 2003 PATENT & TRADEMARK OFFICE

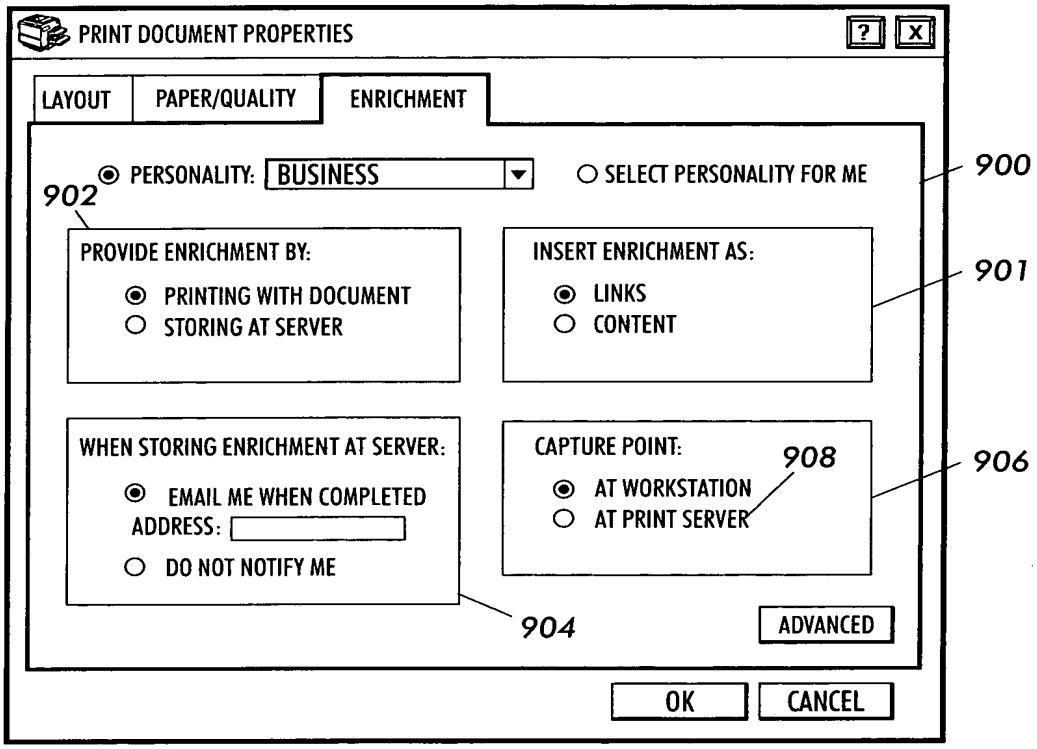

FIG. 9

OIPE JC141 APR 14 2003 PATENT & TRADEMARK OFFICE

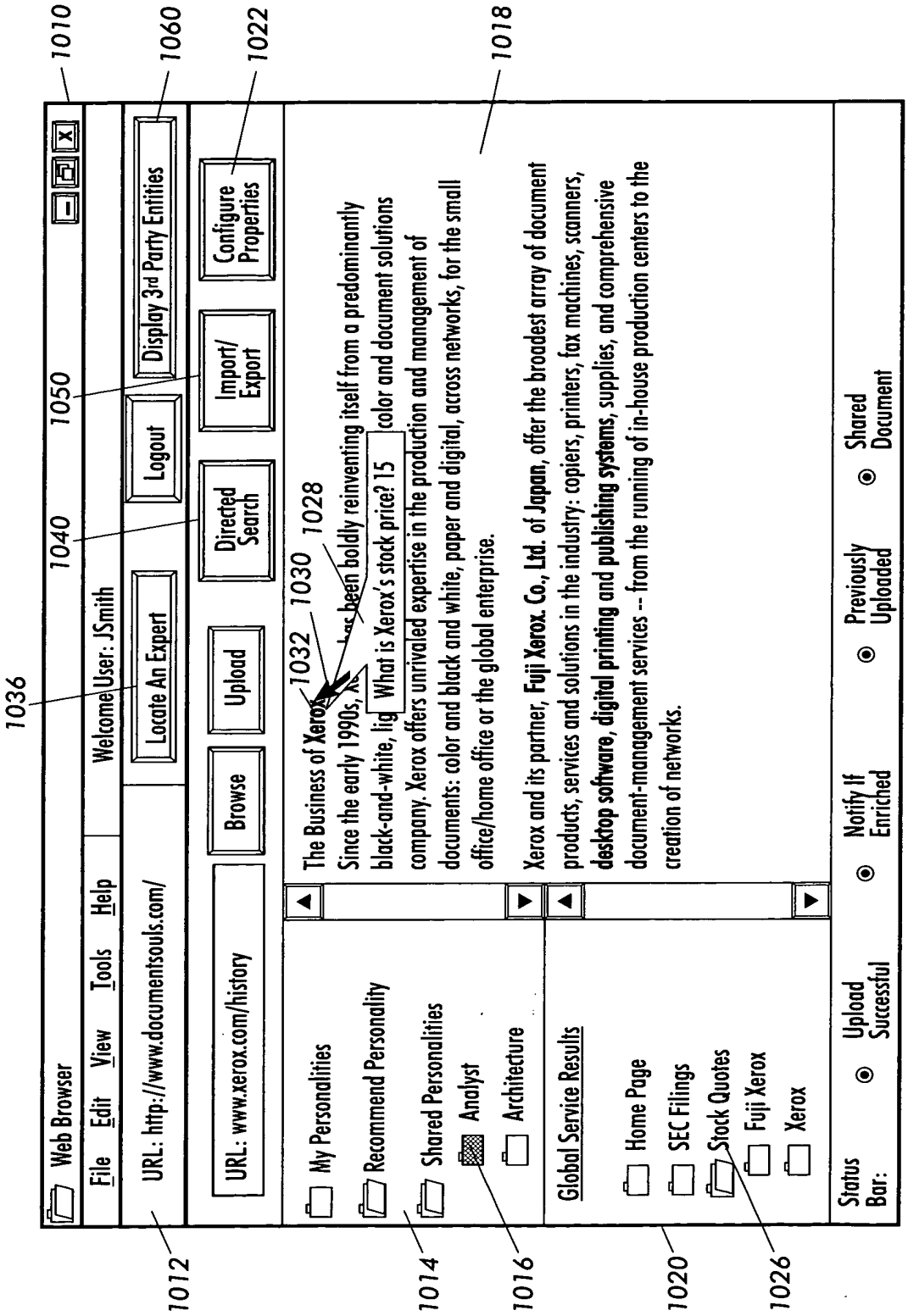

FIG. 10

OIPE JC141
APR 14 2003
PATENT & TRADEMARK OFFICE

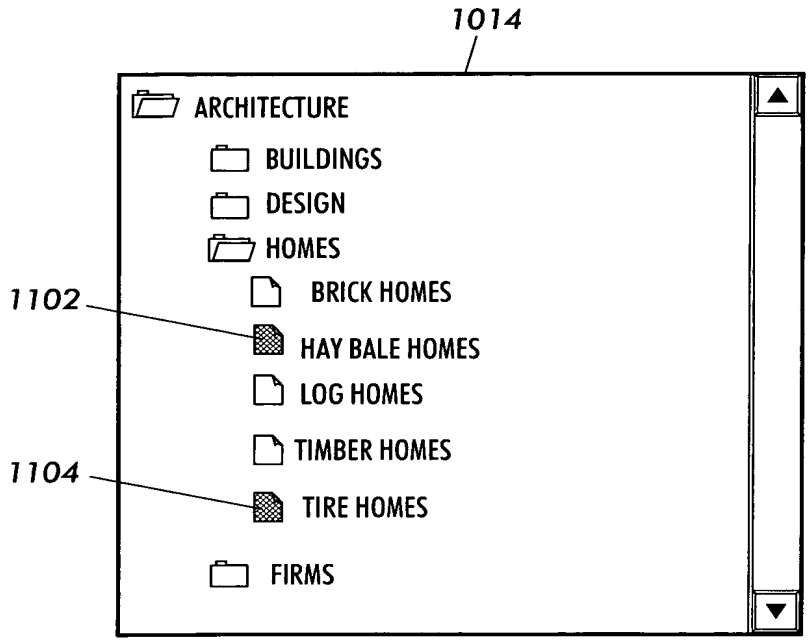

FIG. 11

OIPE JC141 APR 14 2003 PATENT & TRADEMARK OFFICE

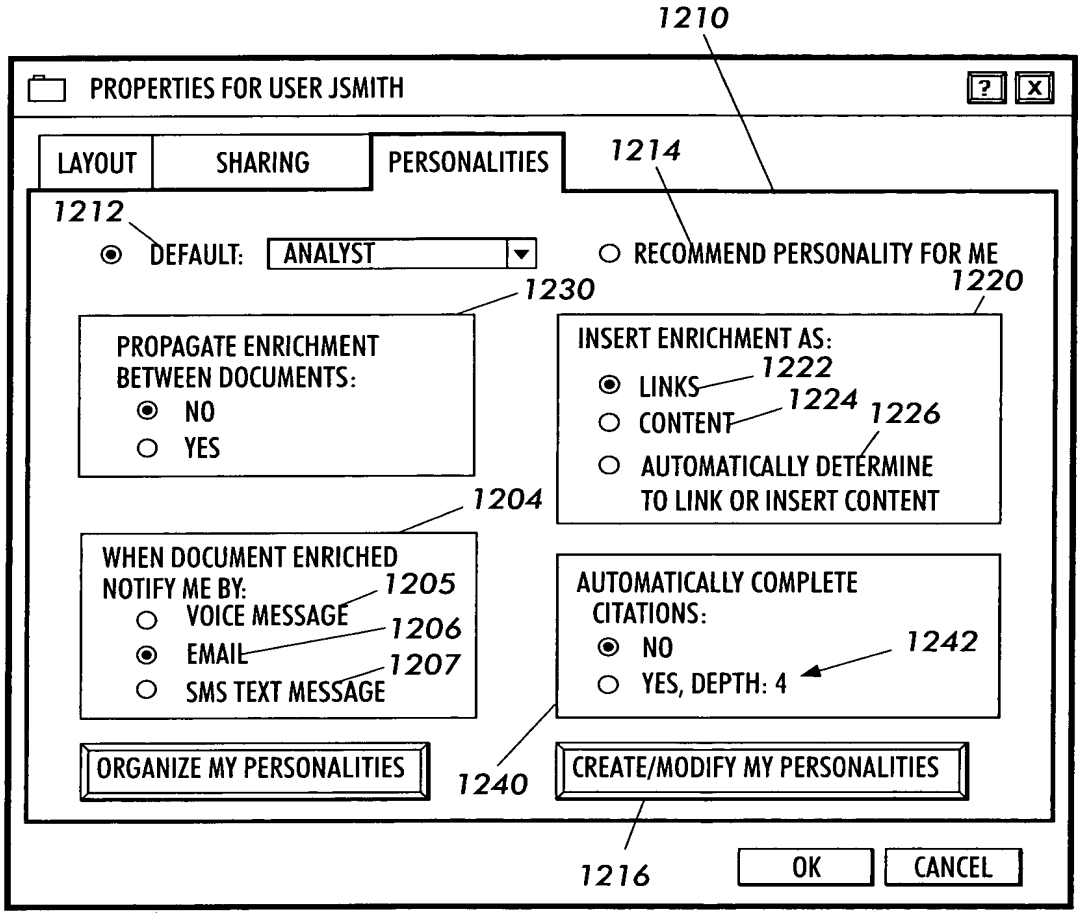

FIG. 12

PTO JC141 APR 14 2003 PATENT & TRADEMARK OFFICE

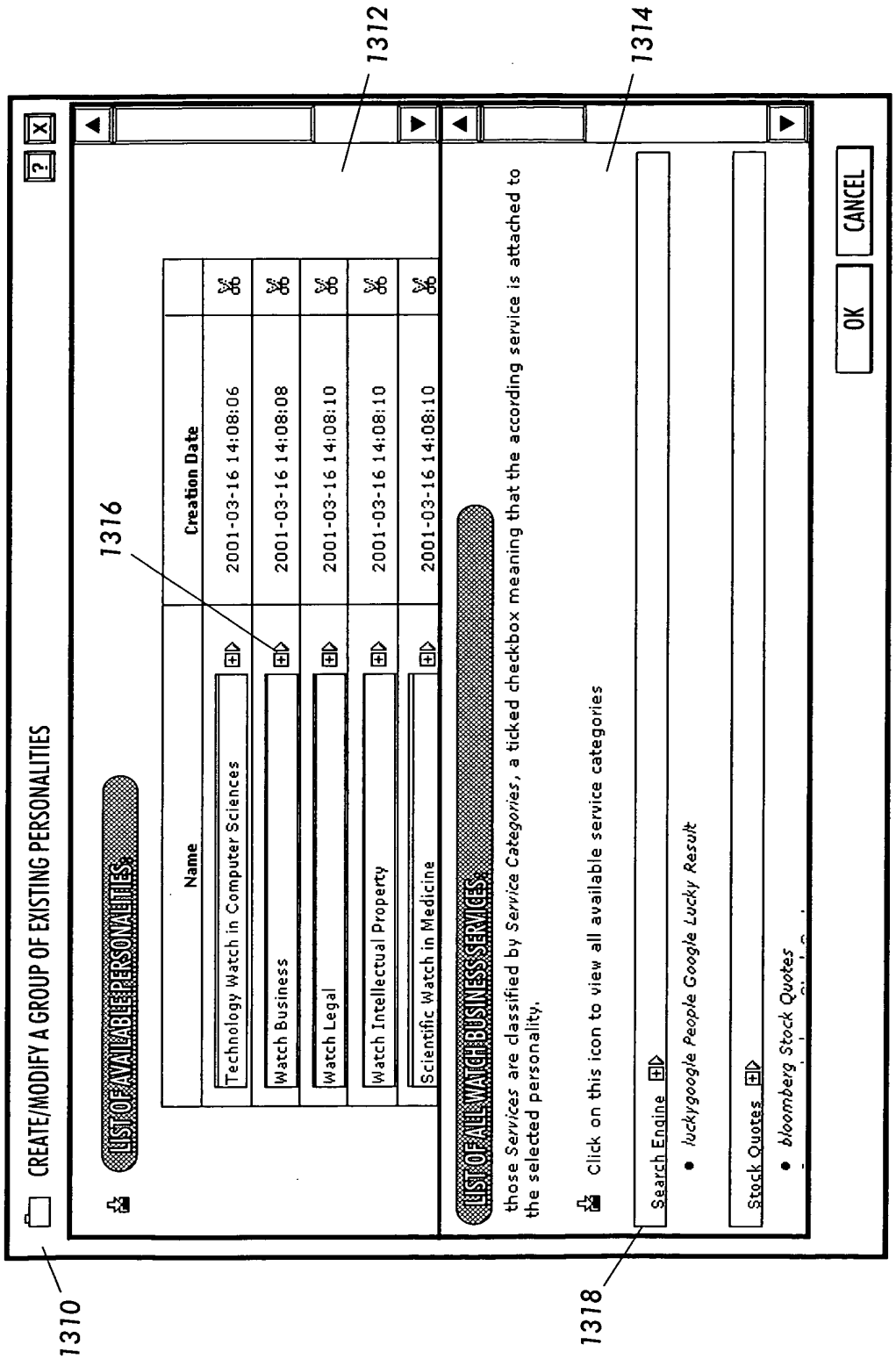

FIG. 13

OIPE JC141
APR 14 2003
PATENT & TRADEMARK OFFICE

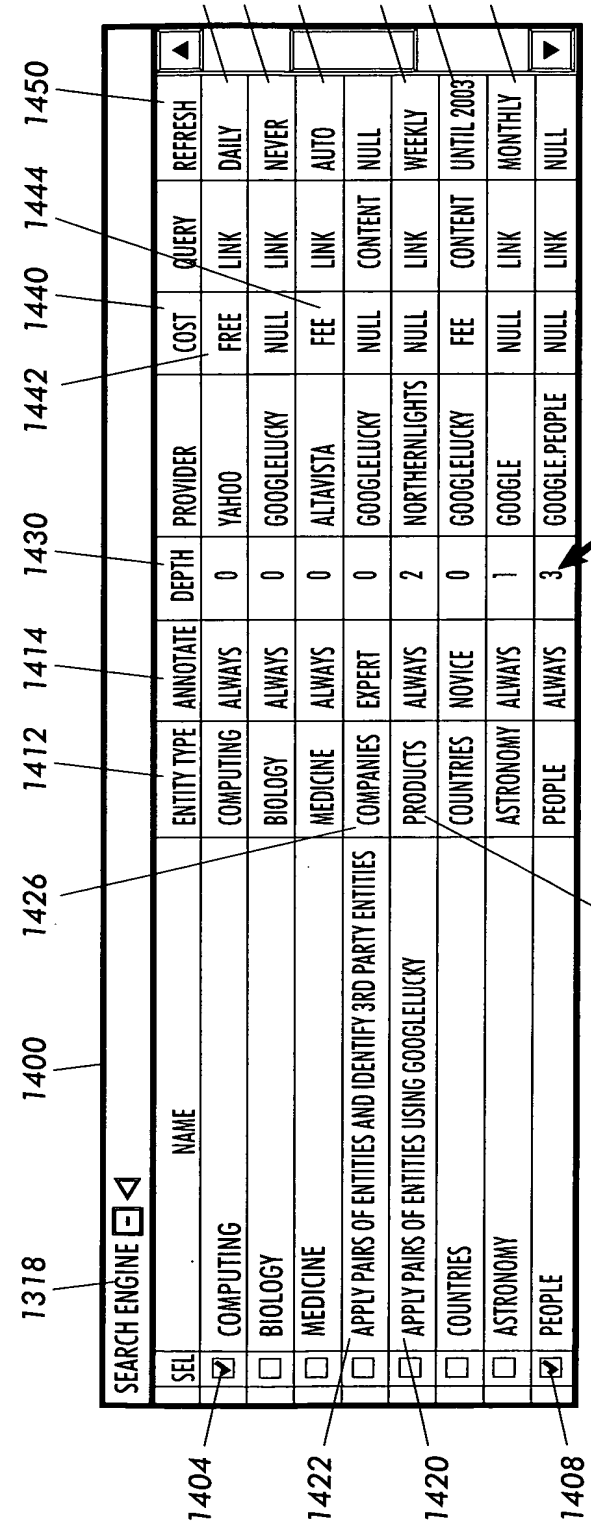

FIG. 14

OIPE JC141
APR 14 2003
PATENT & TRADEMARK OFFICE

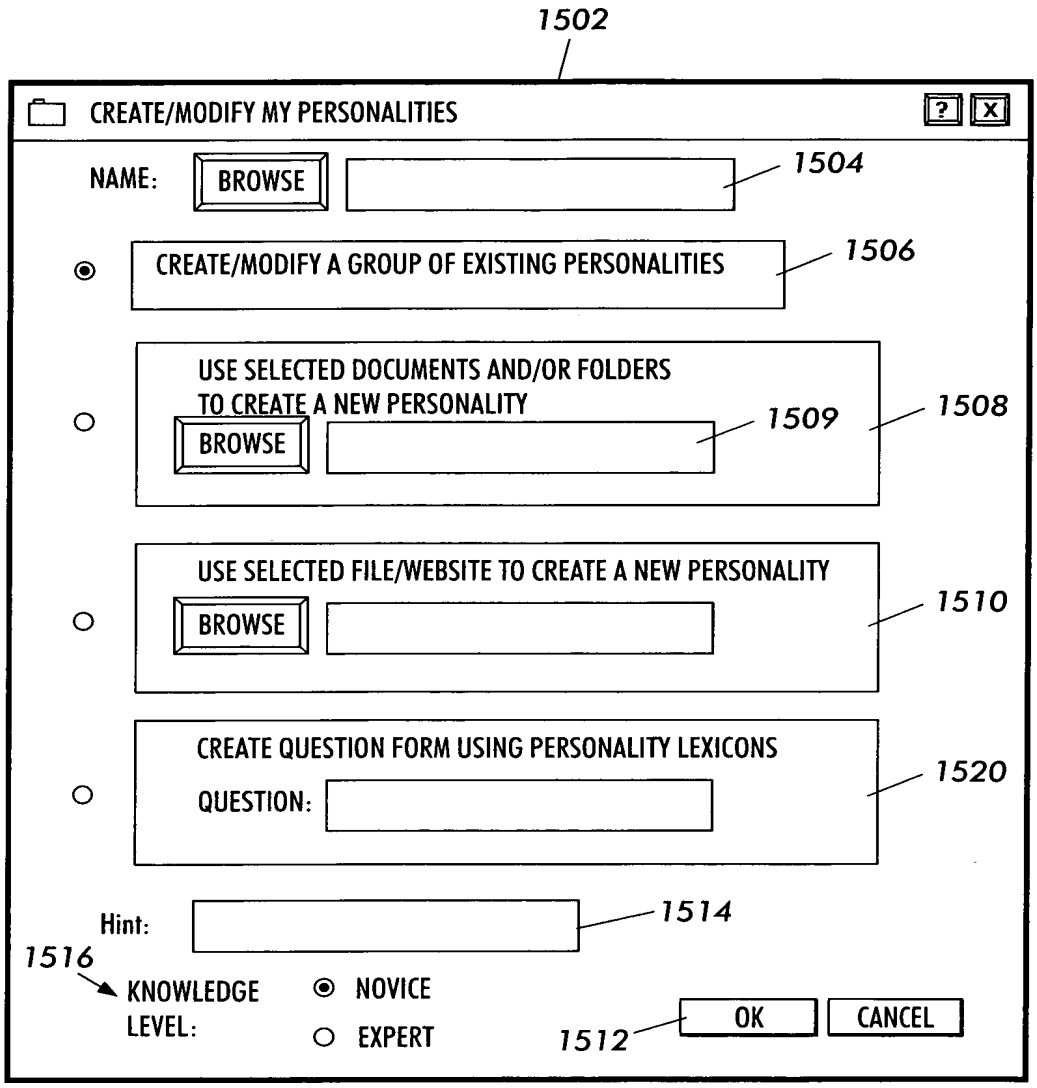

FIG. 15

OIPE JC141
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PATENT & TRADEMARK OFFICE

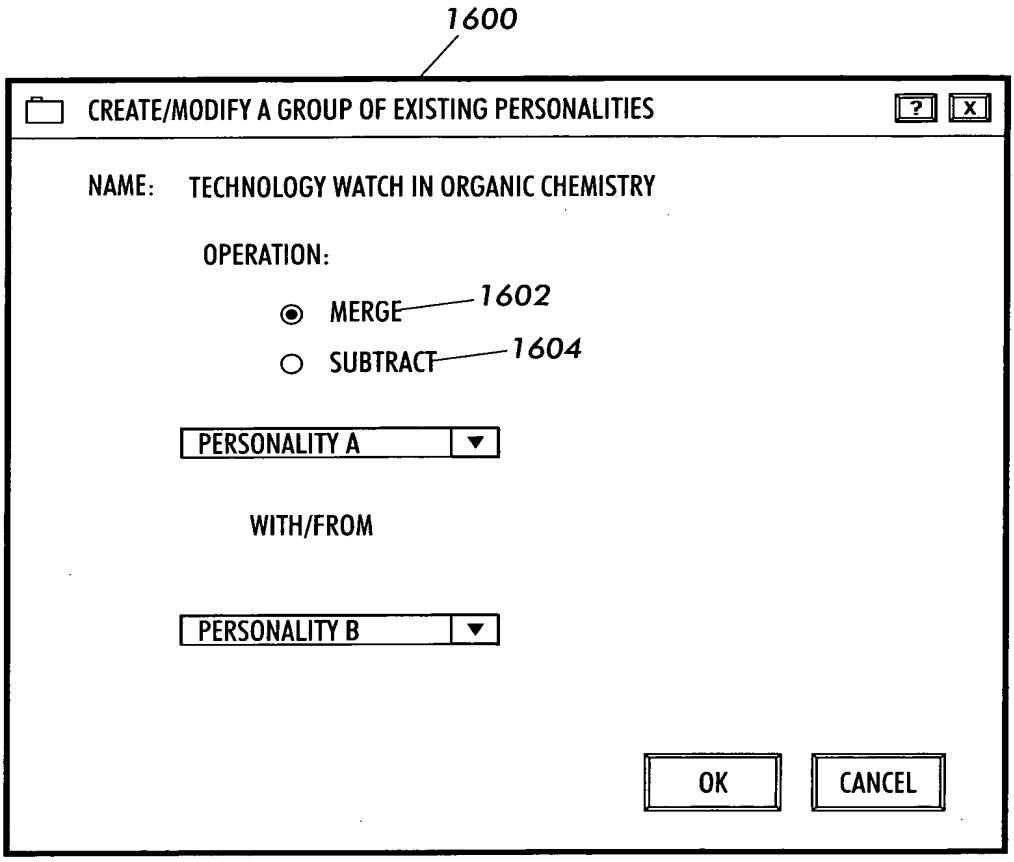

FIG. 16

OIPE JC141
APR 14 2003
PATENT & TRADEMARK OFFICE

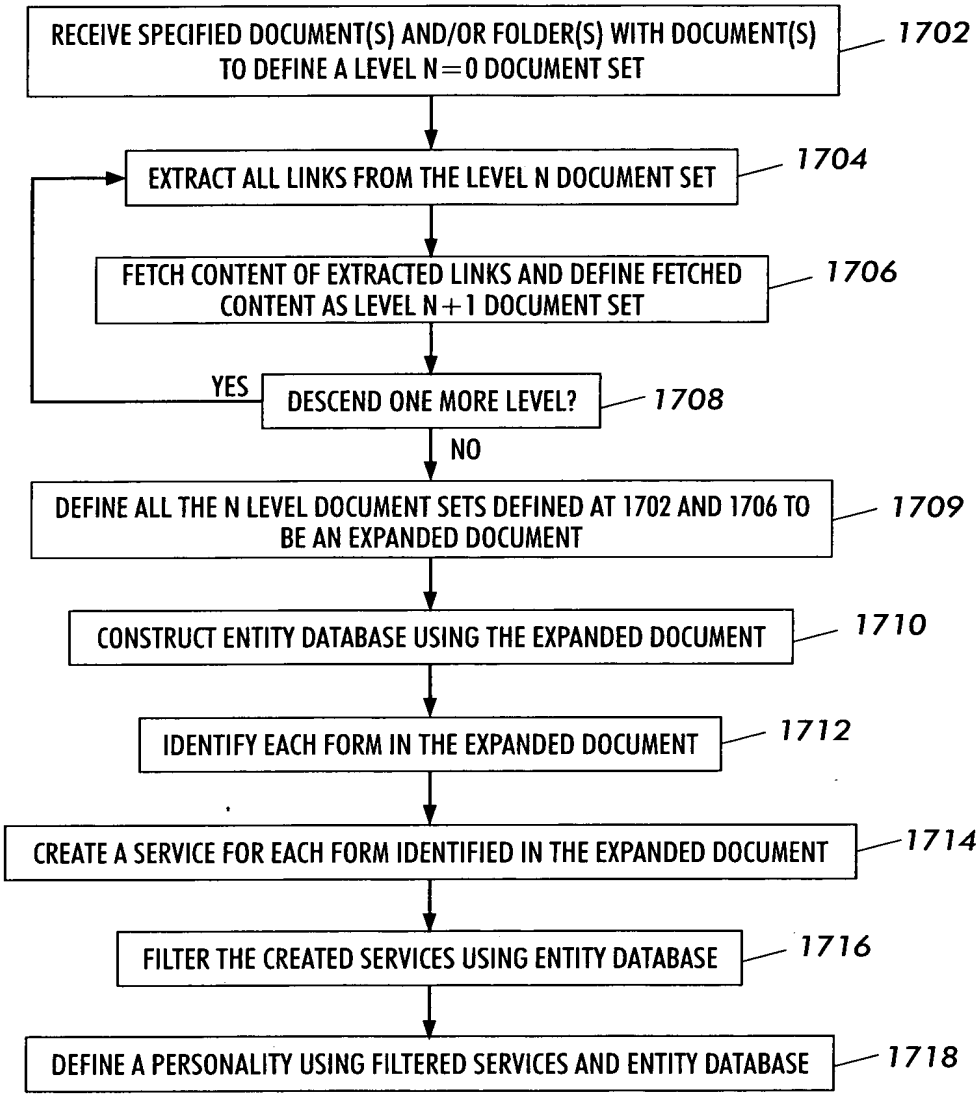

FIG. 17

OIPE JC14
APR 14 2003
PATENT & TRADEMARK OFFICE

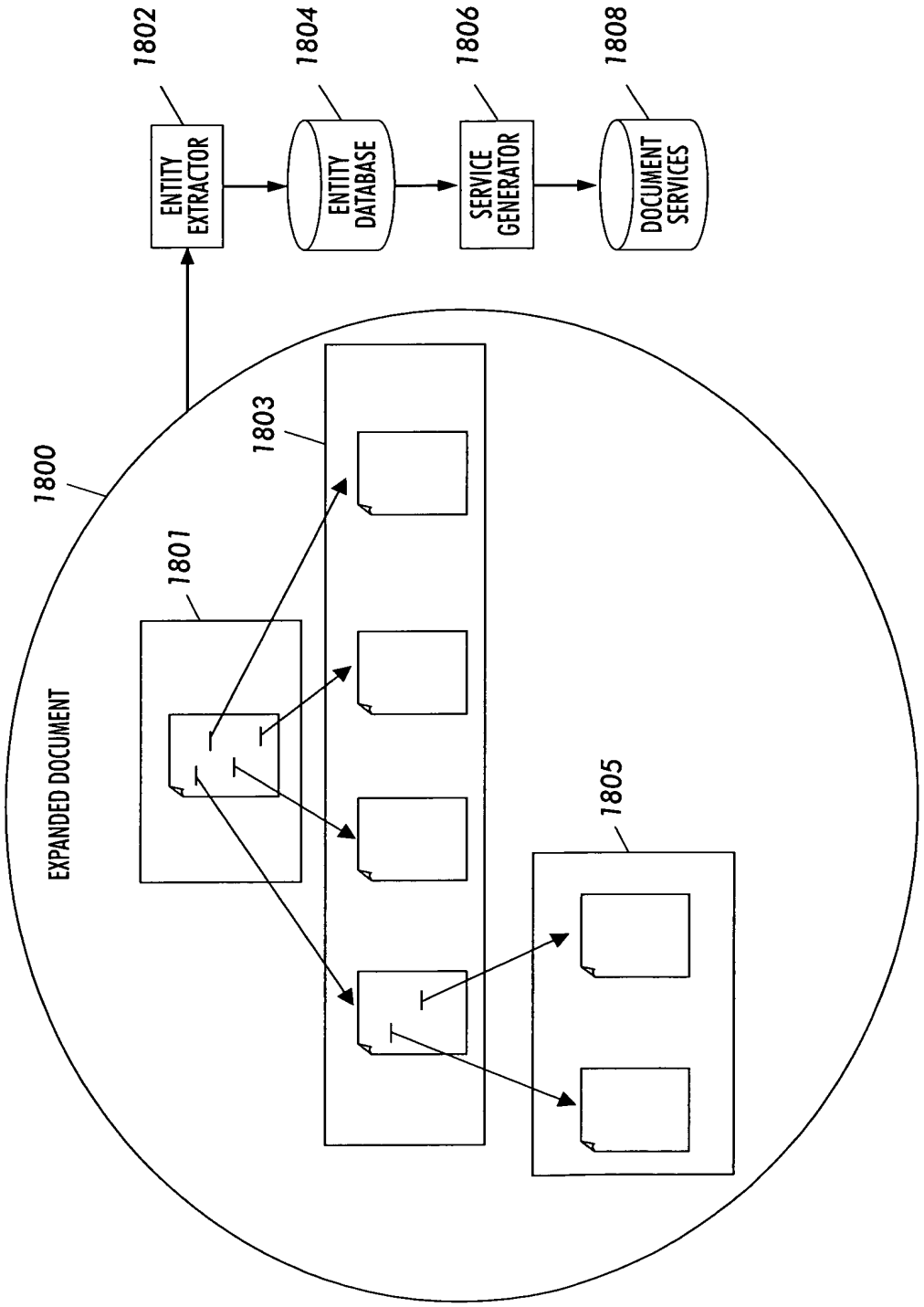

FIG. 18

OIPE JC141
APR 14 2003
PATENT & TRADEMARK OFFICE

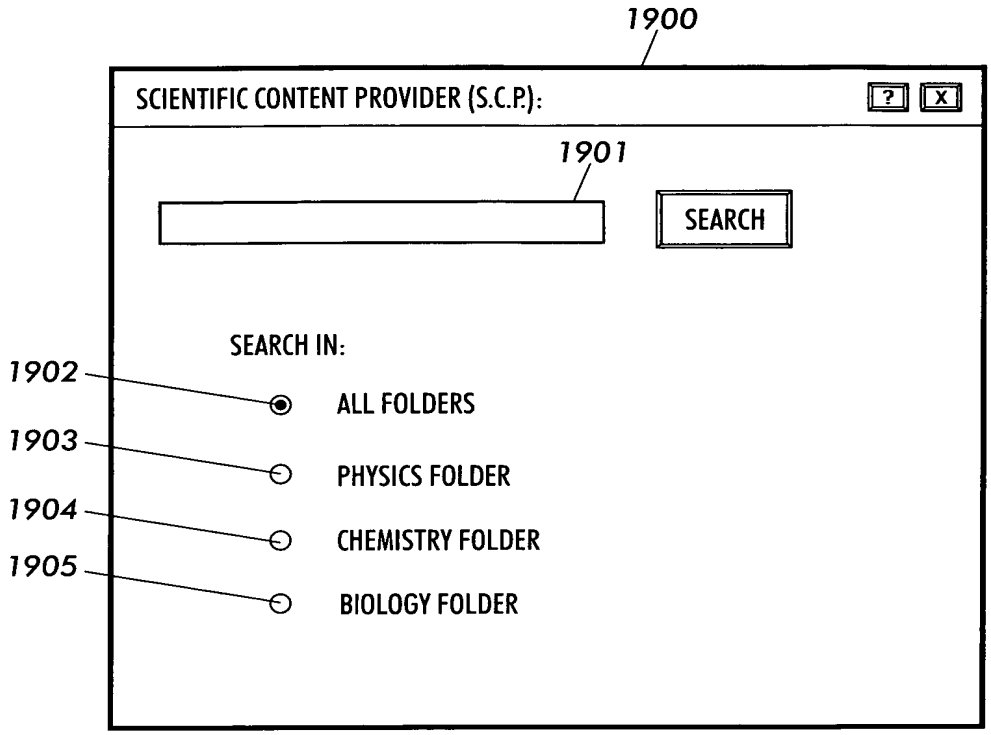

FIG. 19

OIPE JC14
APR 14 2003
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SCIENTIFIC SEARCH

SEL	NAME	ENTITY TYPE	ANNOTATE	DEPTH	PROVIDER	COST	QUERY	REFRESH
☑	ALL FOLDERS RESULT OF SCIENTIFIC CONTENT PROVIDER	STANDARD	ALWAYS	0	S.C.P.	FREE	CONTENT	NULL
☐	PHYSICS RESULT OF SCIENTIFIC CONTENT PROVIDER	PHYSICS	ALWAYS	0	S.C.P.	FREE	CONTENT	NULL
☐	CHEMISTRY RESULT OF SCIENTIFIC CONTENT PROVIDER	CHEMISTRY	ALWAYS	0	S.C.P.	FREE	CONTENT	NULL
☐	BIOLOGY RESULT OF SCIENTIFIC CONTENT PROVIDER	BIOLOGY	ALWAYS	0	S.C.P.	FREE	CONTENT	NULL

2002

2004

FIG. 20

OIPE JC14 APR 14 2003 PATENT & TRADEMARK OFFICE

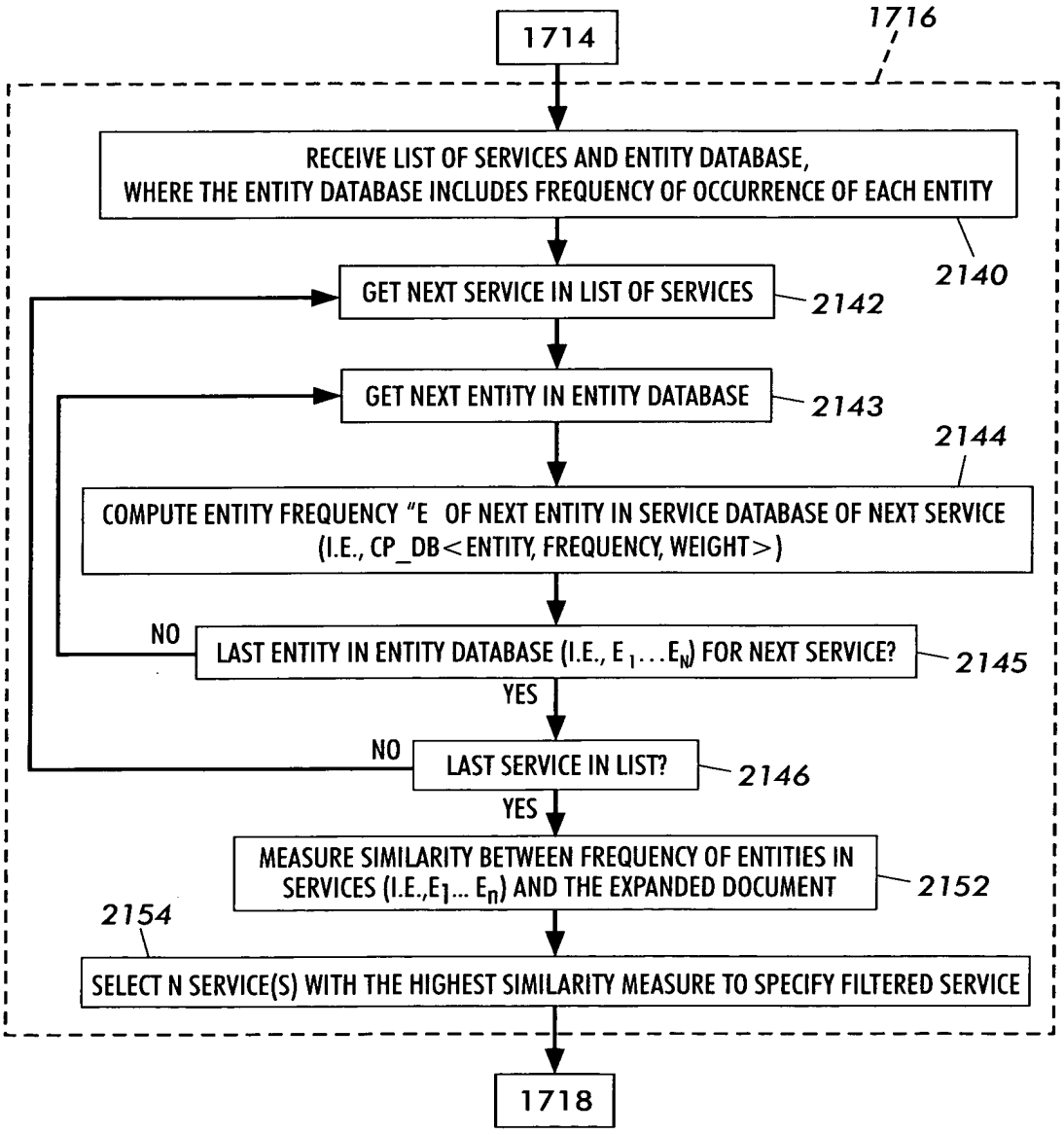

FIG. 21

OIPE JC141 APR 16 2003 PATENT & TRADEMARK OFFICE

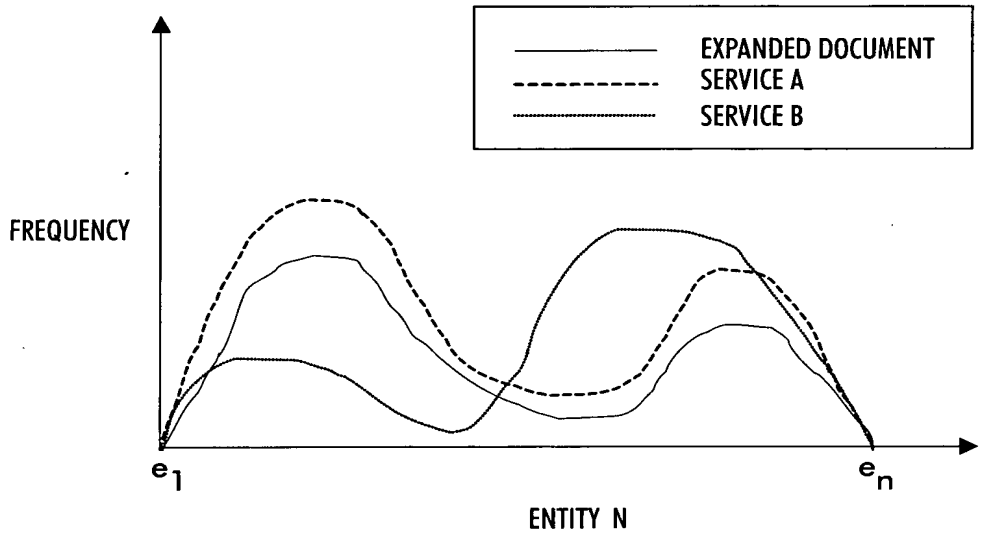

FIG. 22

OIPE JC14
APR 14 2003
PATENT & TRADEMARK OFFICE

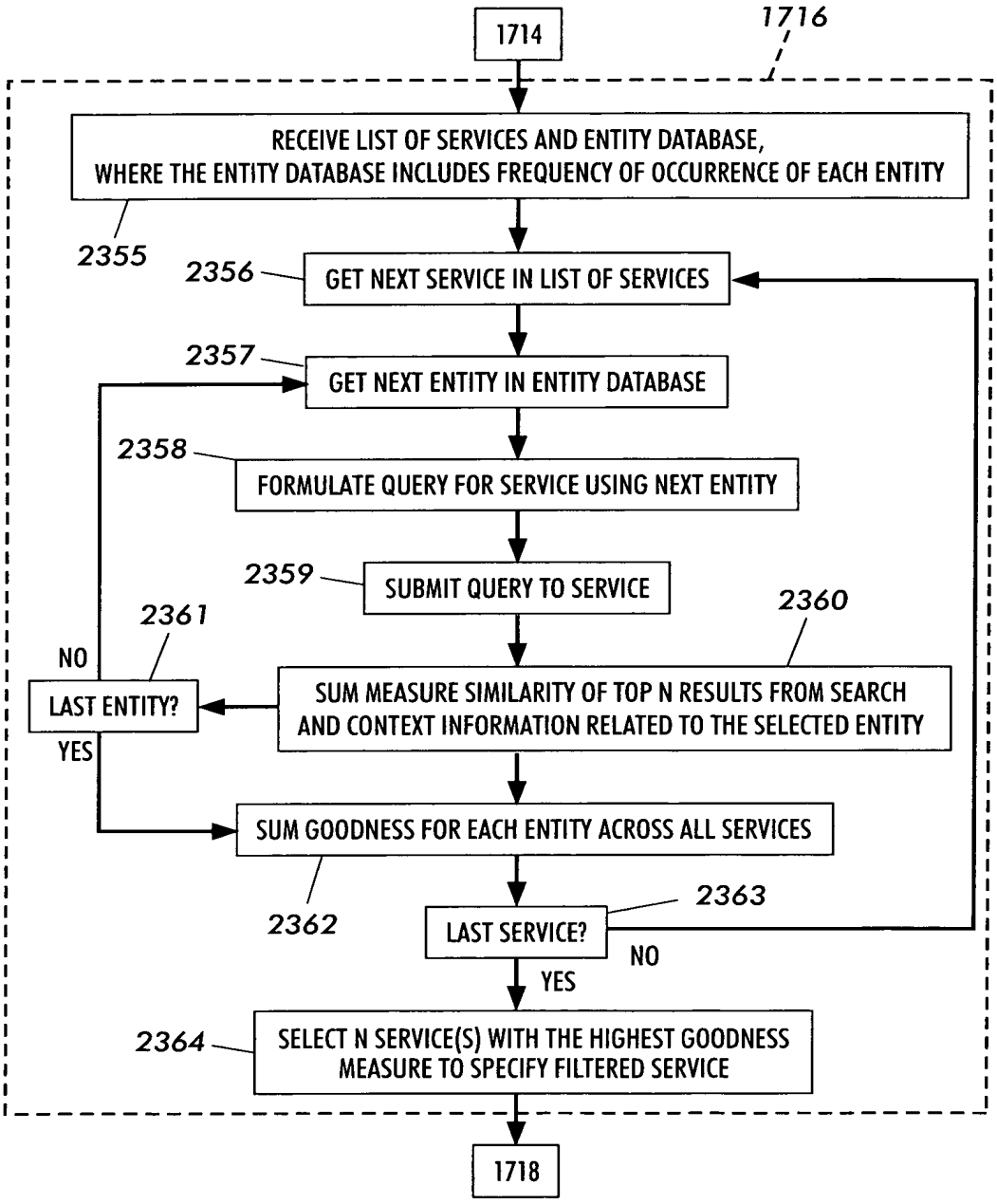

FIG. 23

PATENT & TRADEMARK OFFICE JC141 APR 14 2003

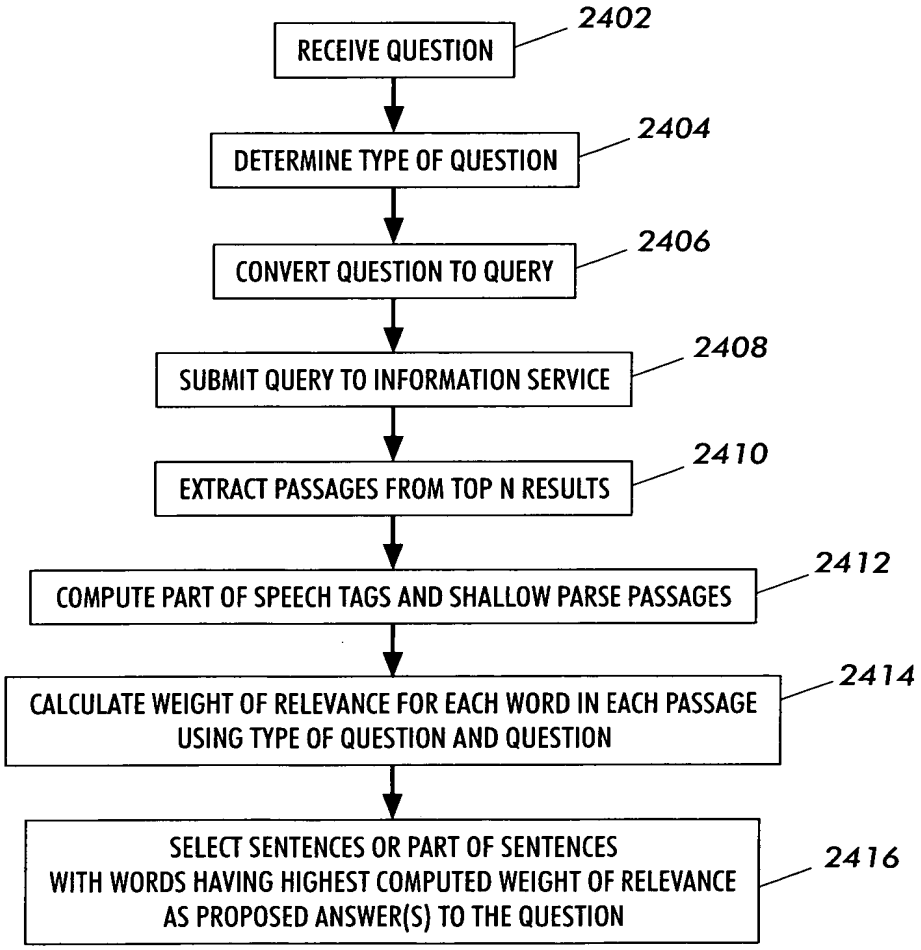

FIG. 24

OIPE JC141
APR 14 2003
PATENT & TRADEMARK OFFICE

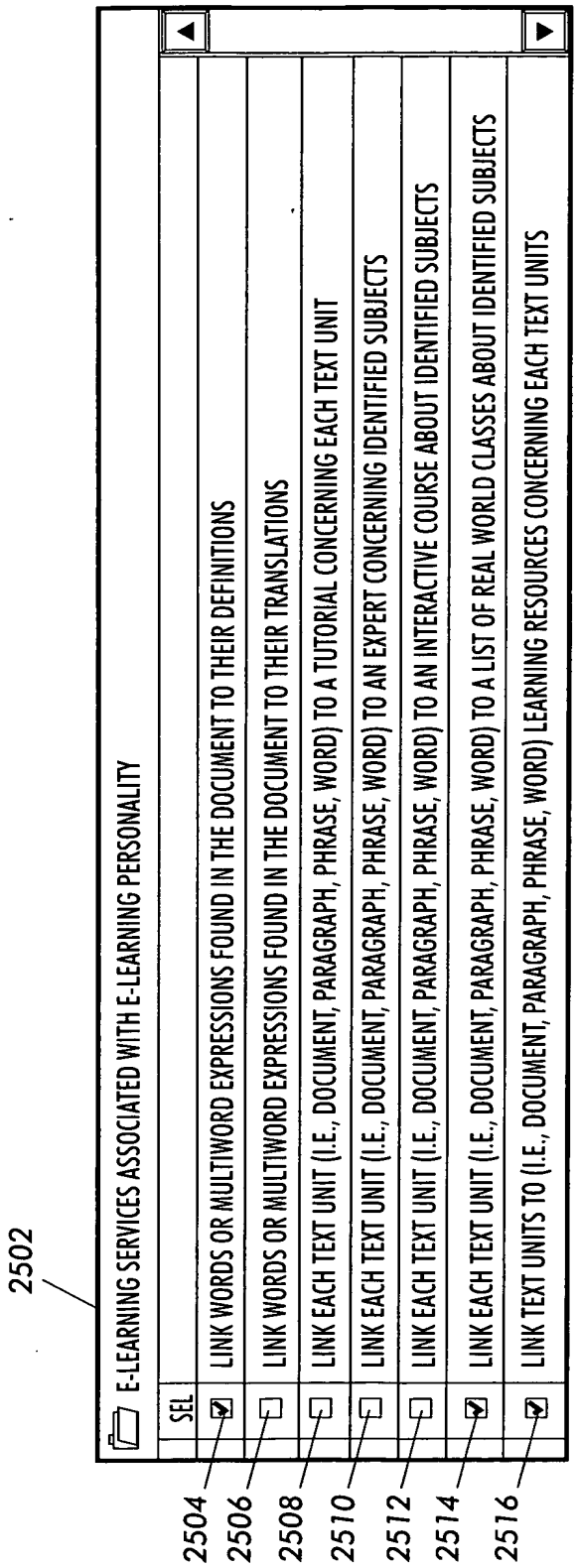

FIG. 25

OIPE JC1#1
APR 14 2003
PATENT & TRADEMARK OFFICE

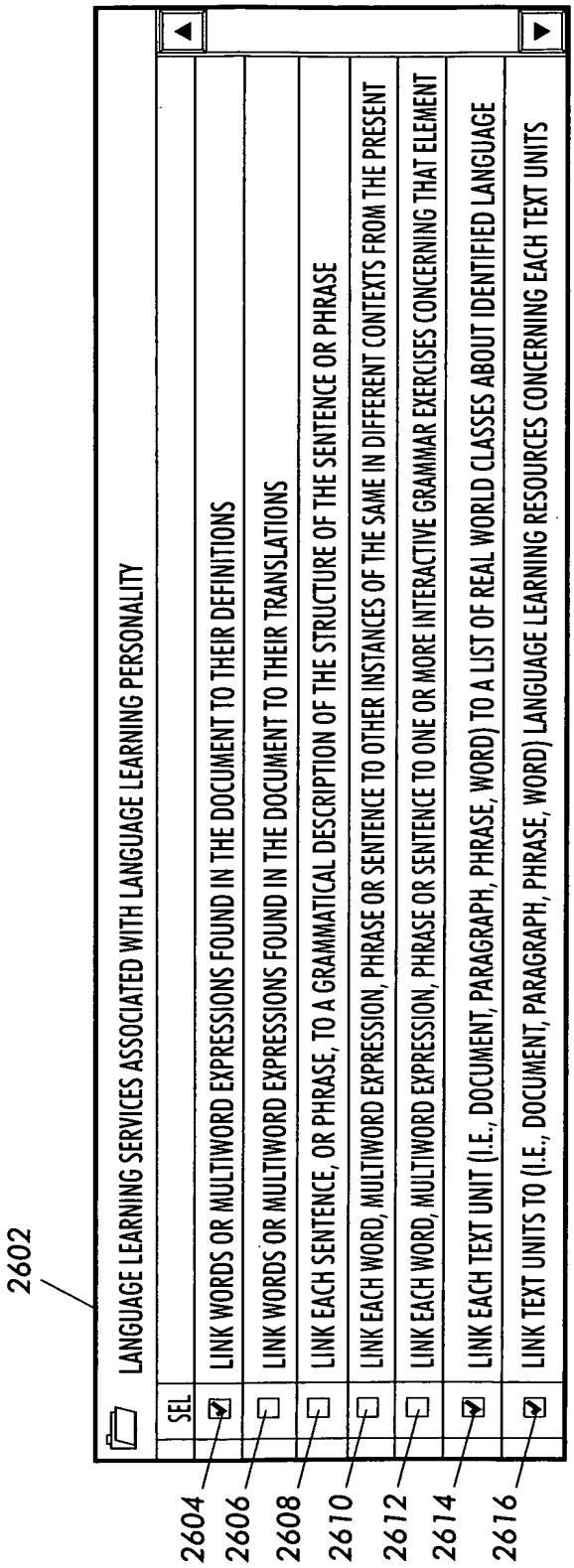

FIG. 26

OIPE JC141
APR 14 2003
PATENT & TRADEMARK OFFICE

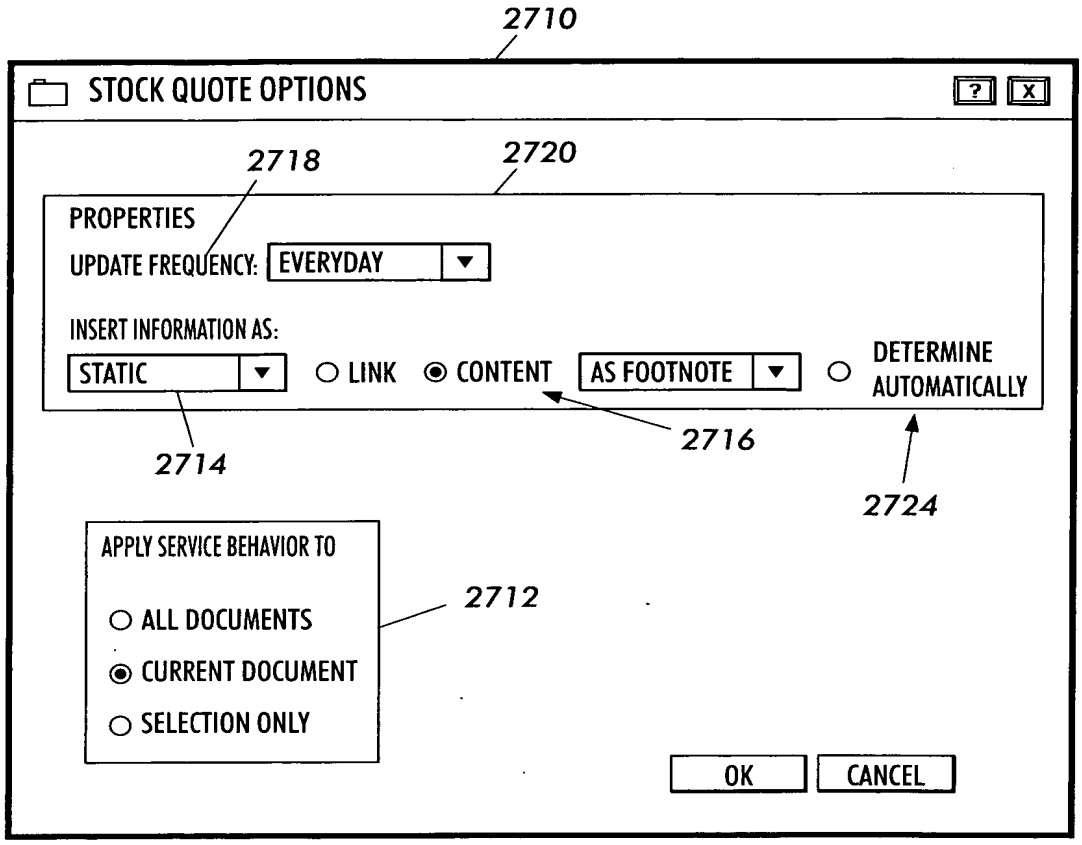

FIG. 27

OIPE JC141 APR 14 2003 PATENT & TRADEMARK OFFICE

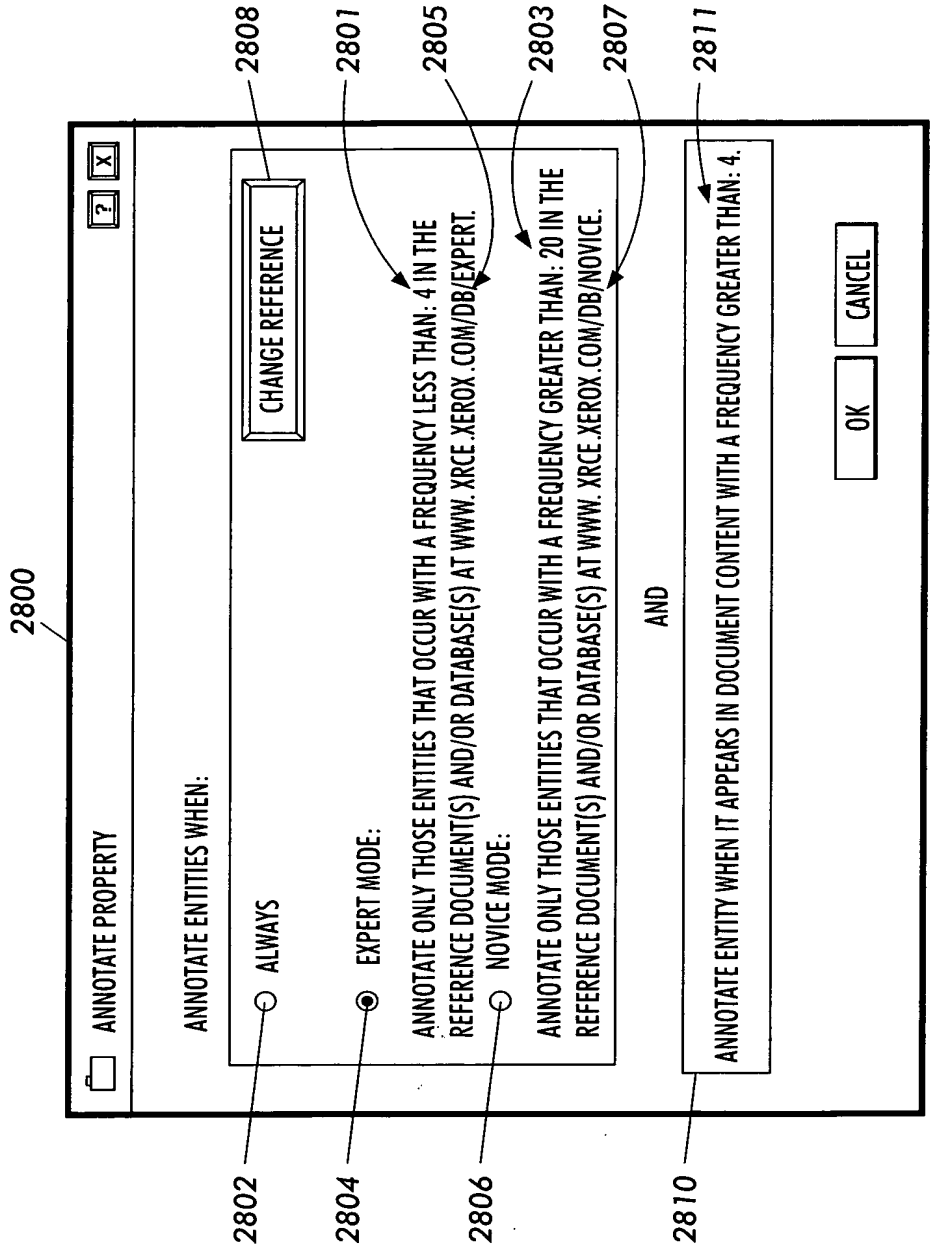

FIG. 28

OIPE JC141 APR 14 2003 PATENT & TRADEMARK OFFICE

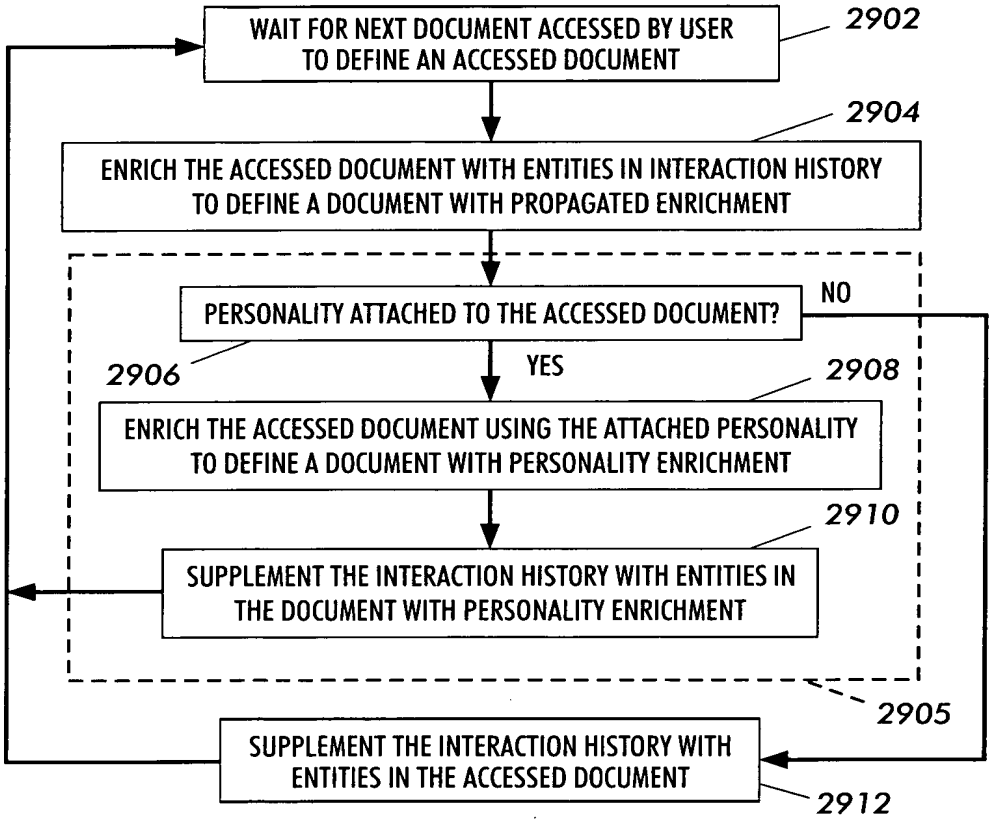

FIG. 29

OIPE JC14 APR 14 2003 PATENT & TRADEMARK OFFICE

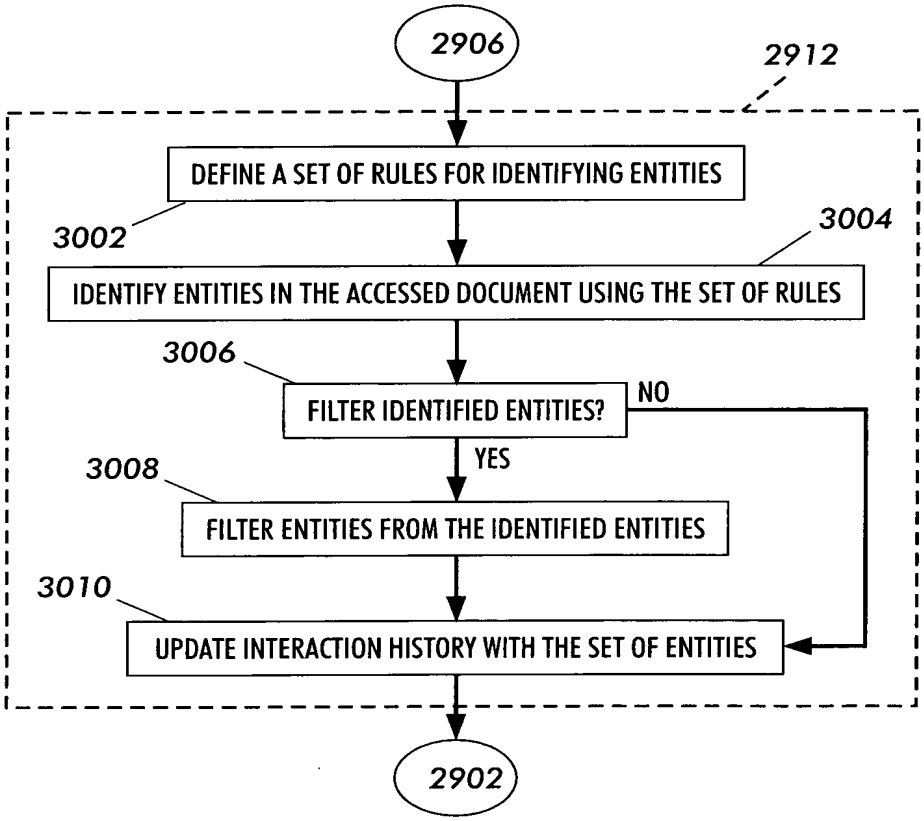

FIG. 30

OIPE JC14
APR 14 2003
PATENT & TRADEMARK OFFICE

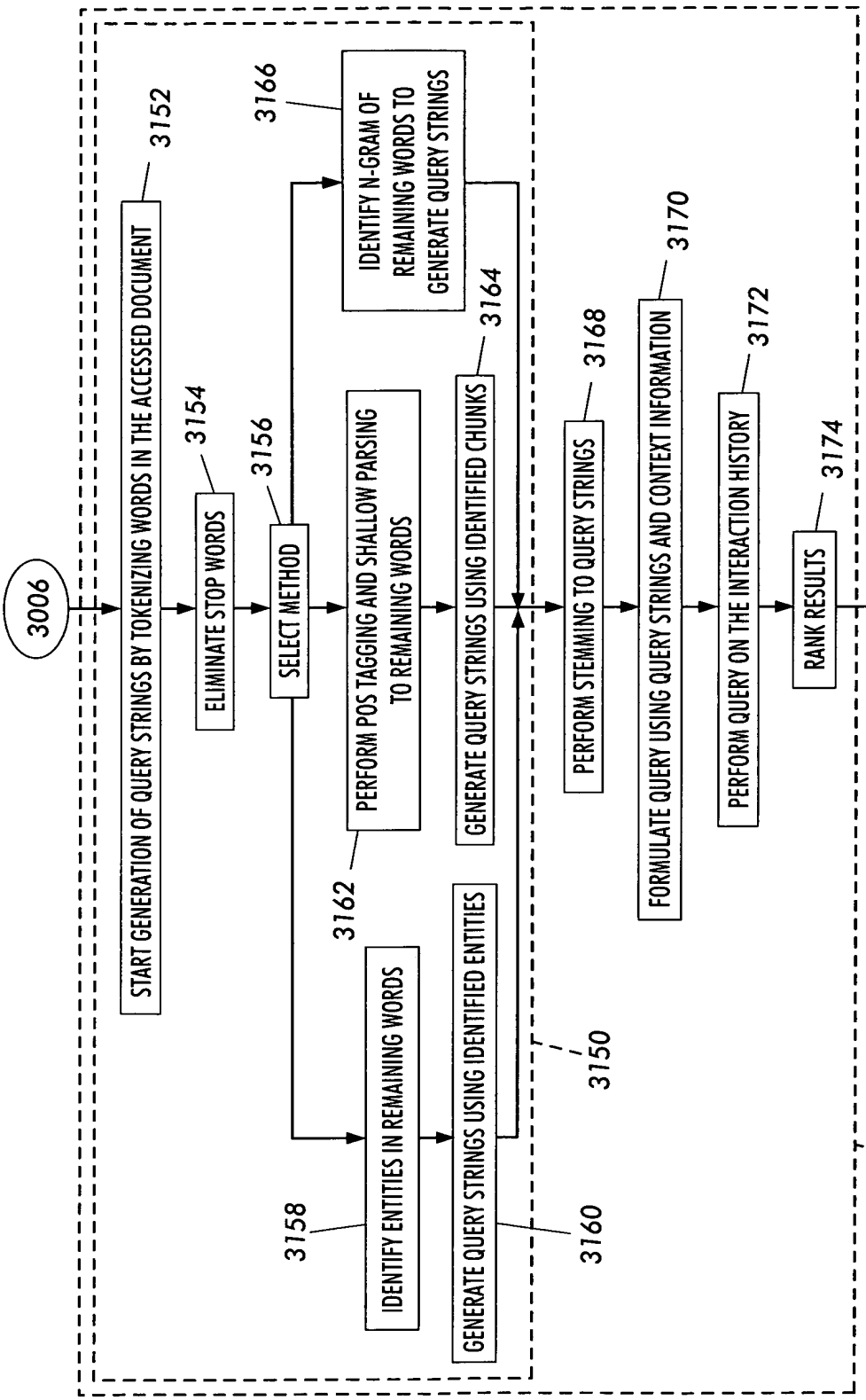

FIG. 31

OIPE JC141
APR 14 2003
PATENT & TRADEMARK OFFICE

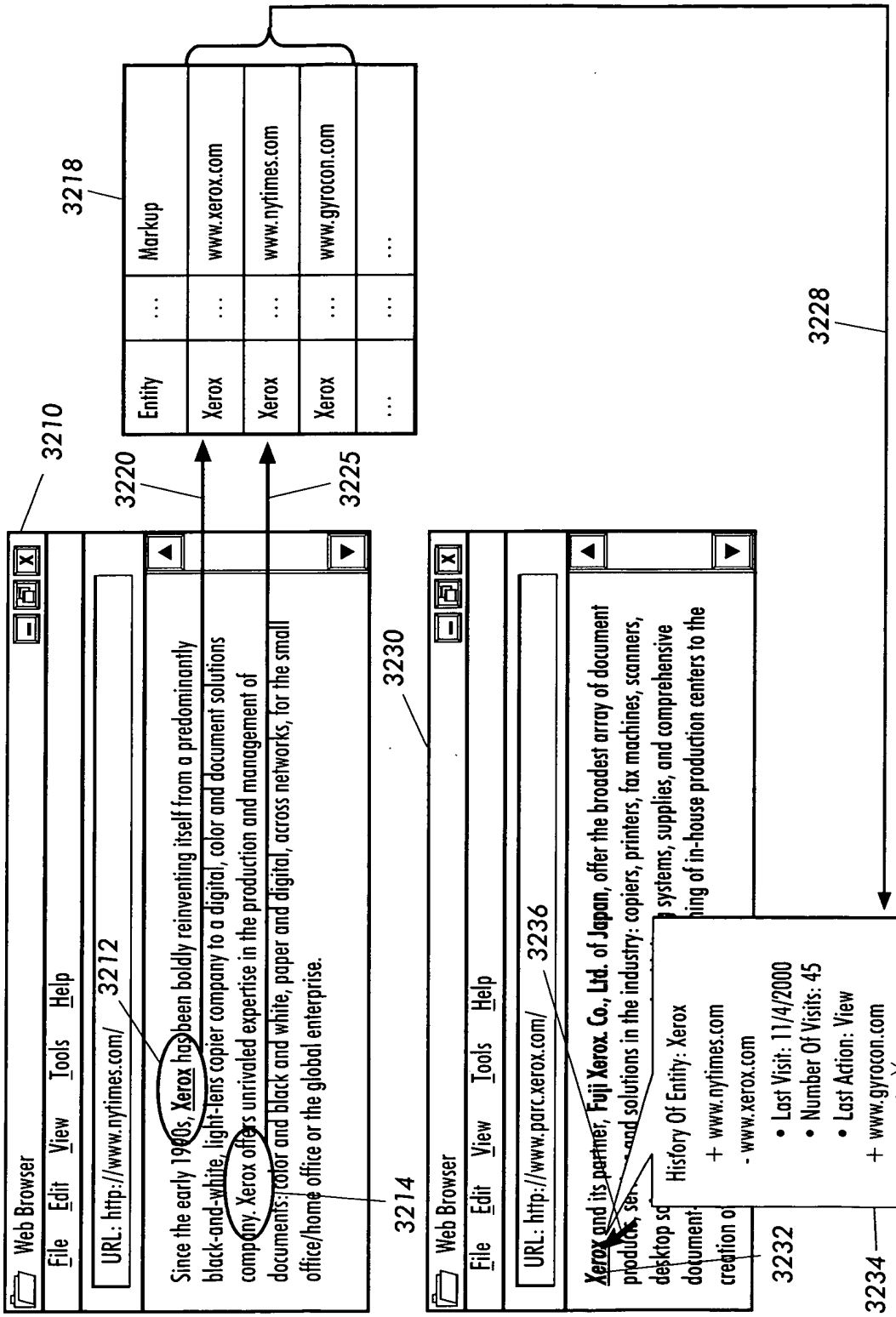

FIG. 32

OIPE JC141 APR 14 2003 PATENT & TRADEMARK OFFICE

3218

ENTITY	ENTITY TYPE	VISITS	LAST VISIT	ACTION LIST	DMOZ CATEGORY	LOCATION	POS	MARKUP
XEROX	BUSINESS	45	11/4/2000	VIEW (43), PRINT(2)	BUSINESS	40	NOUN	WWW.XEROX.COM
XEROX	BUSINESS	1	5/1/2001	VIEW(1)	FINANCE	689	NOUN	WWW.NYTIMES.COM
XEROX	BUSINESS	4	2/22/2001	EMAIL(1), VIEW(3)	COMPUTER	343	NOUN	WWW.GYROCON.COM
...	...	...	...	...	...	...	...	...

FIG. 33

OIPE JC141 APR 14 2003 PATENT & TRADEMARK OFFICE

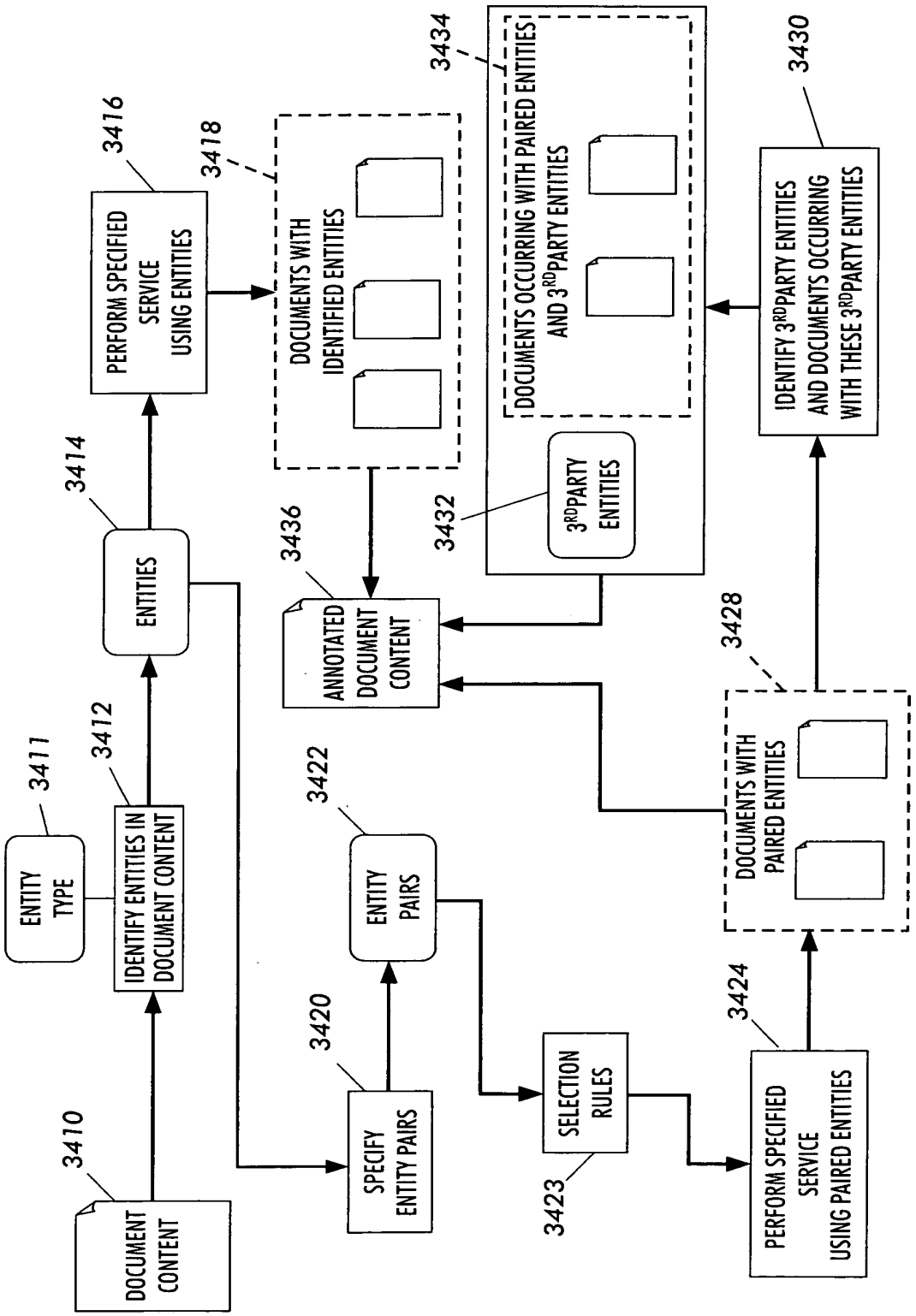

FIG. 34

OIPE JC141
APR 14 2003
PATENT & TRADEMARK OFFICE

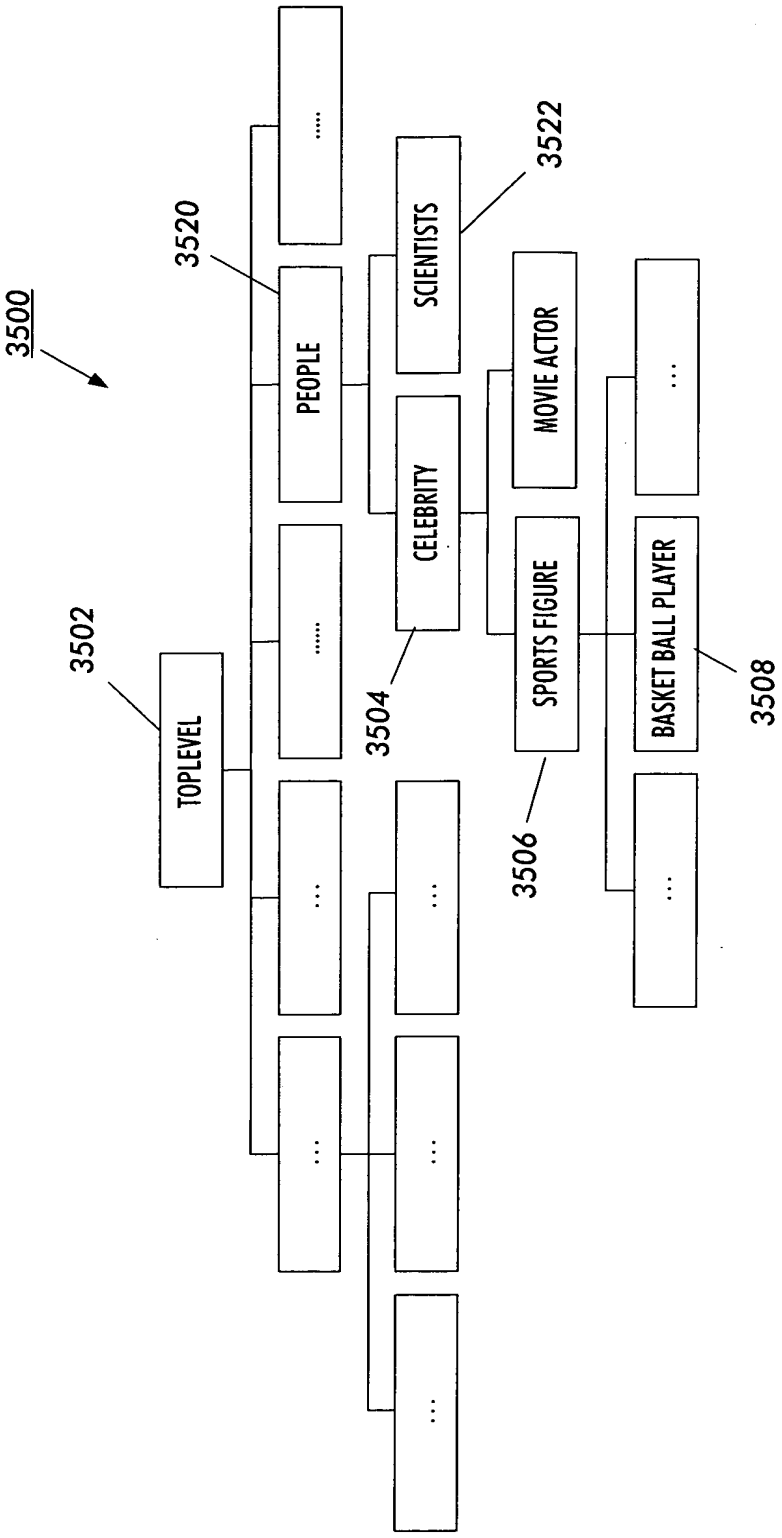

FIG. 35

OIPE JC14
APR 14 2003
PATENT & TRADEMARK OFFICE

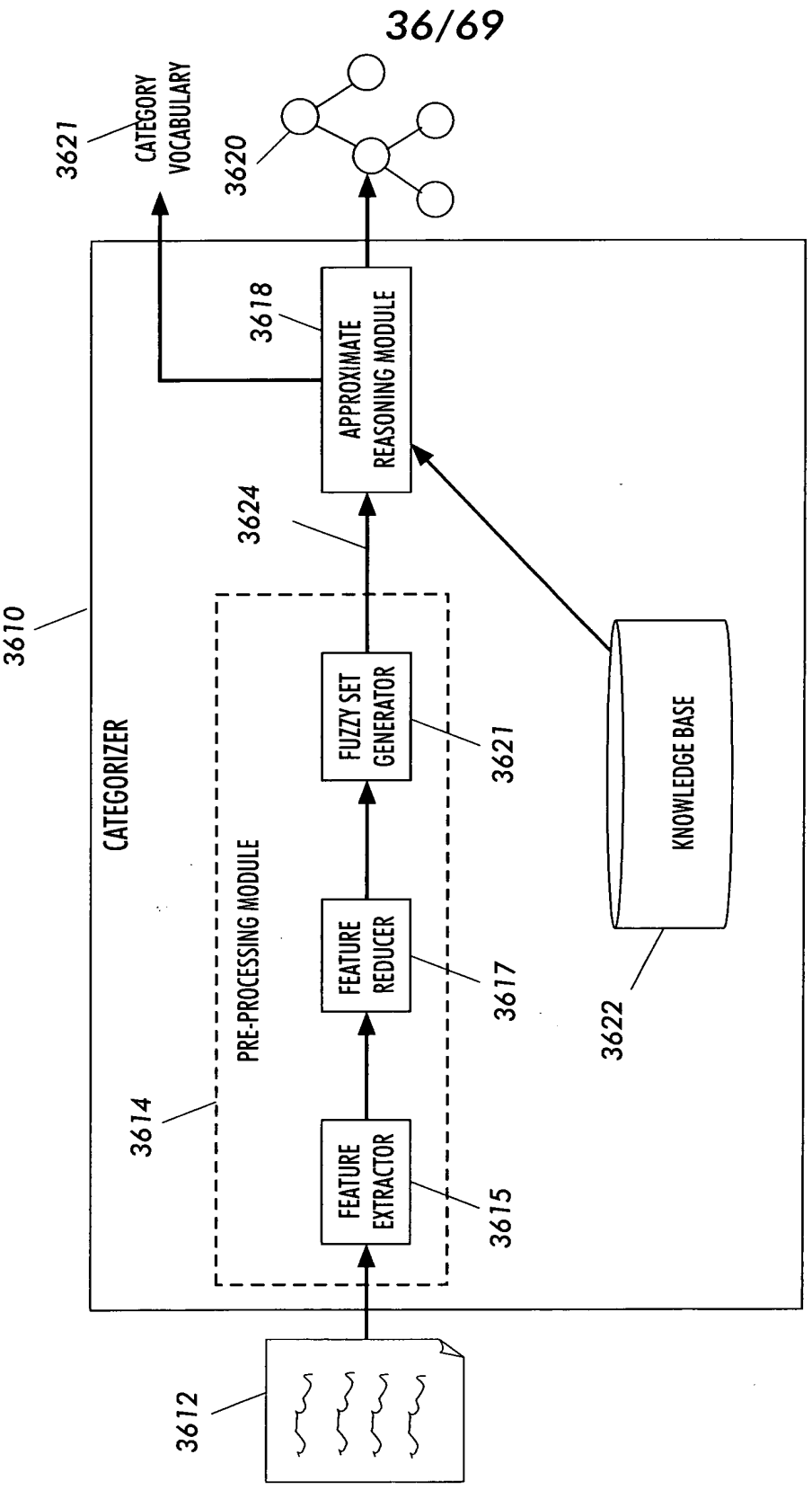

FIG. 36

OIPE JC141
APR 14 2003
PATENT & TRADEMARK OFFICE

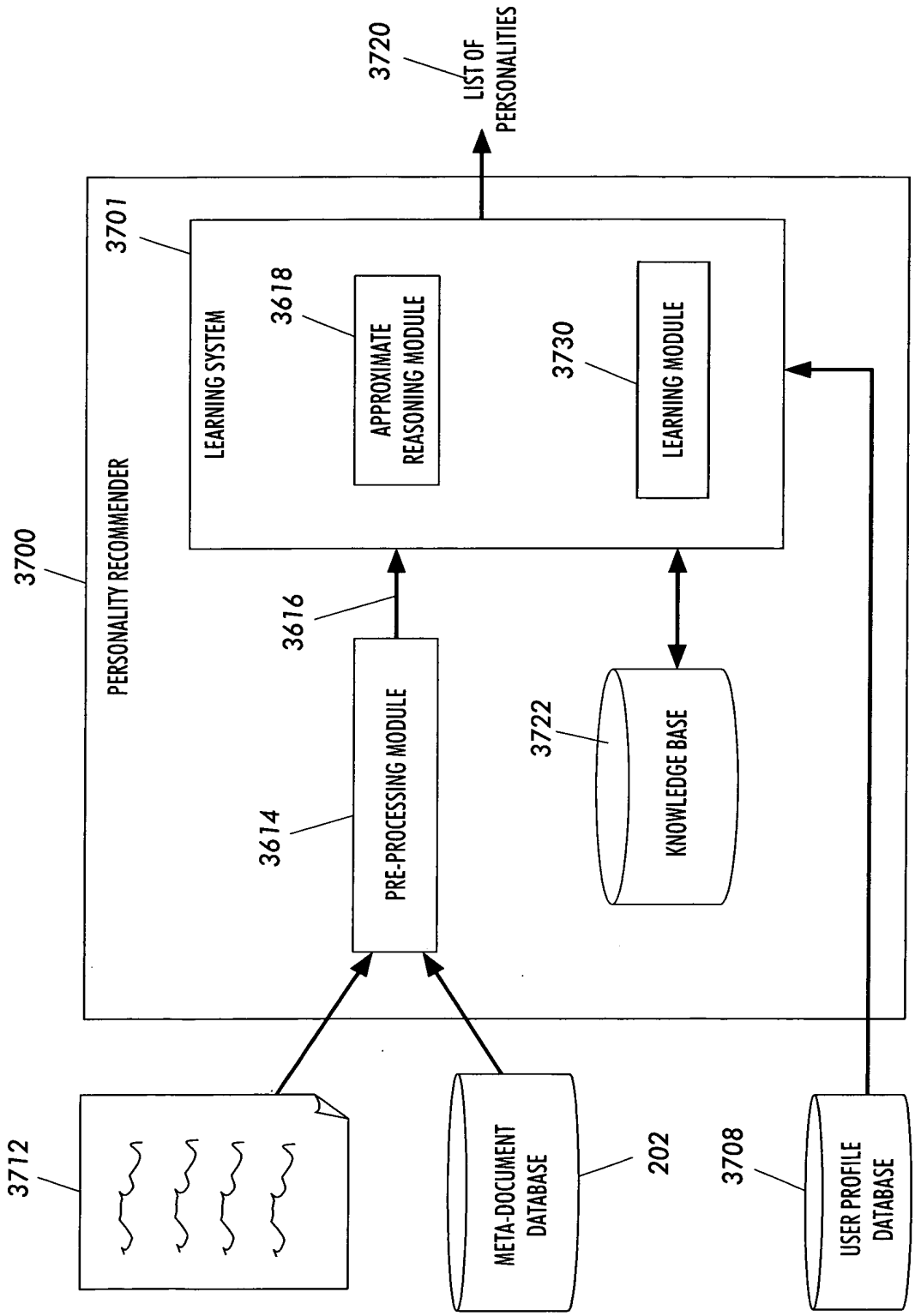

FIG. 37

OIPE JC147 APR 14 2003 PATENT & TRADEMARK

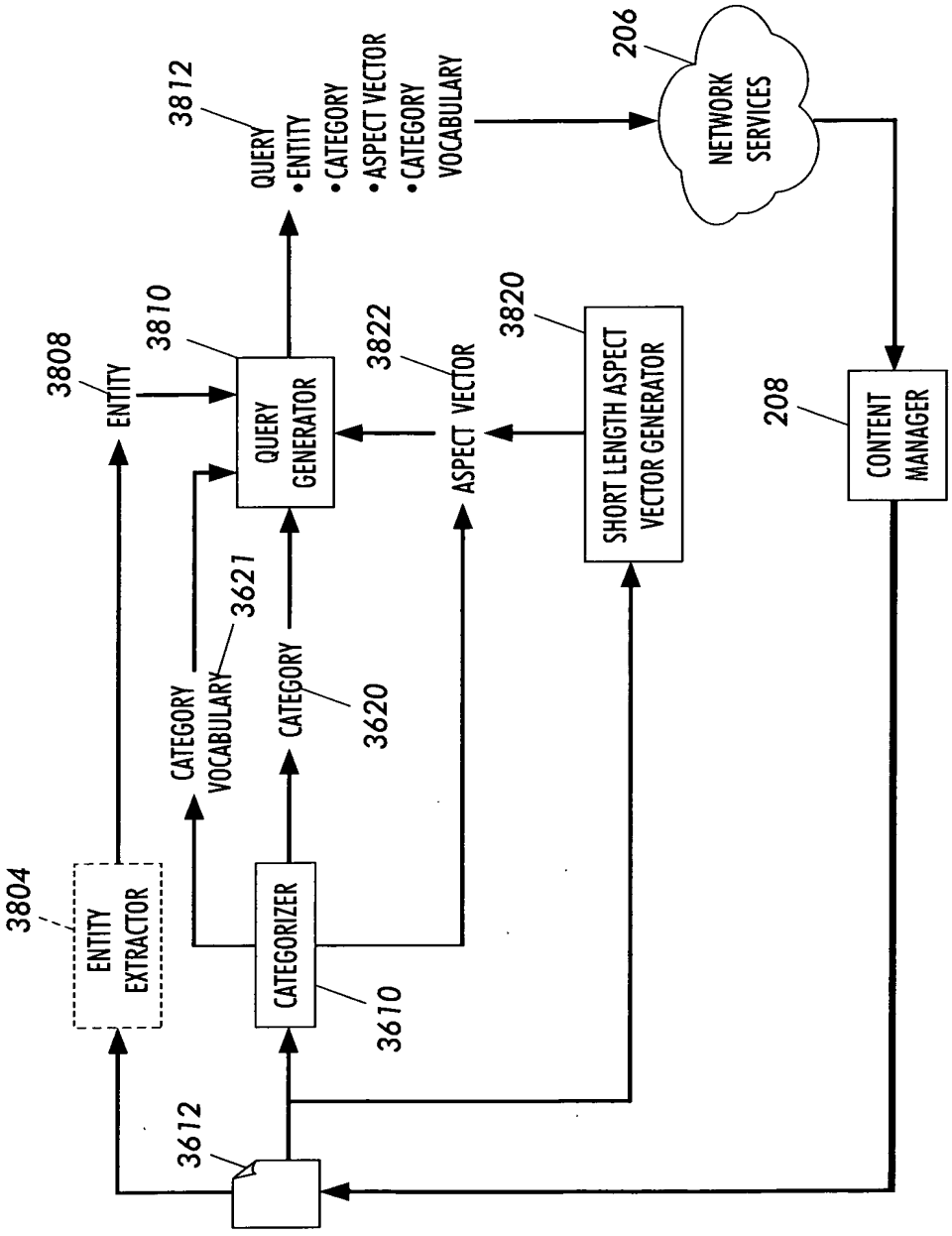

FIG. 38

OIPE JC141
APR 14 2003
PATENT & TRADEMARK OFFICE

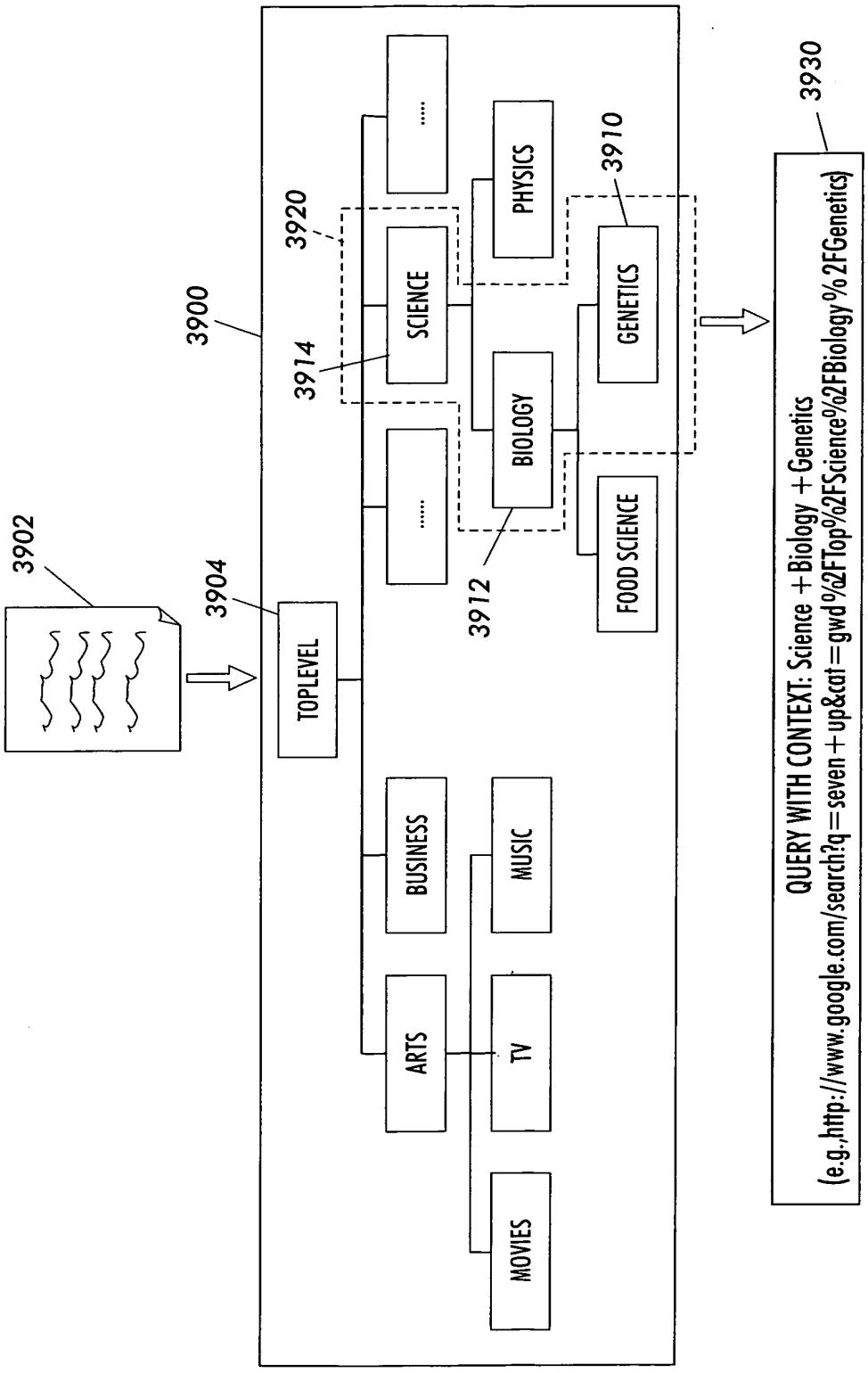

FIG. 39

OIPE JC141
APR 14 2003
PATENT & TRADEMARK OFFICE

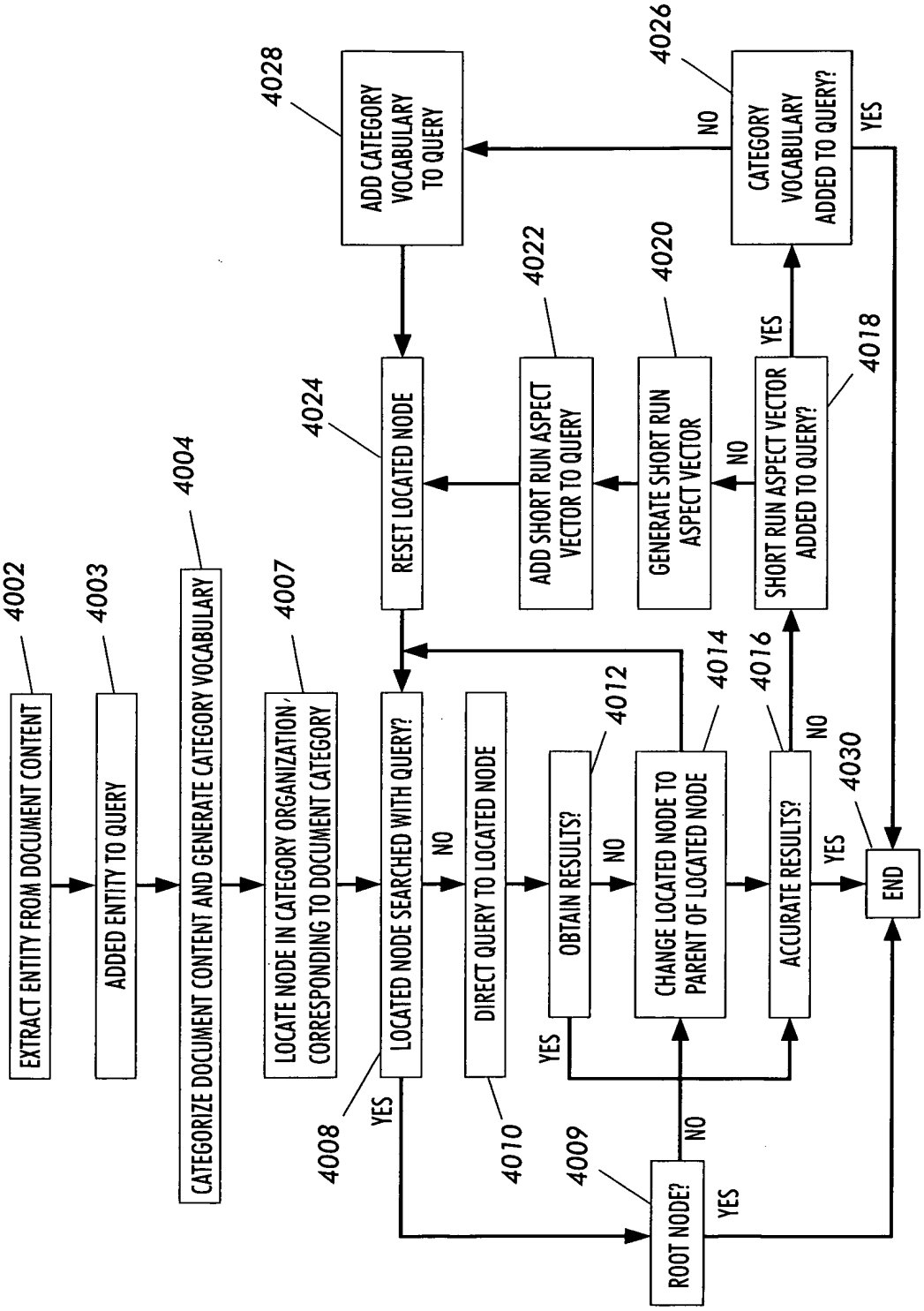

FIG. 40

OIPE JC141 APR 14 2003 PATENT & TRADEMARK OFFICE

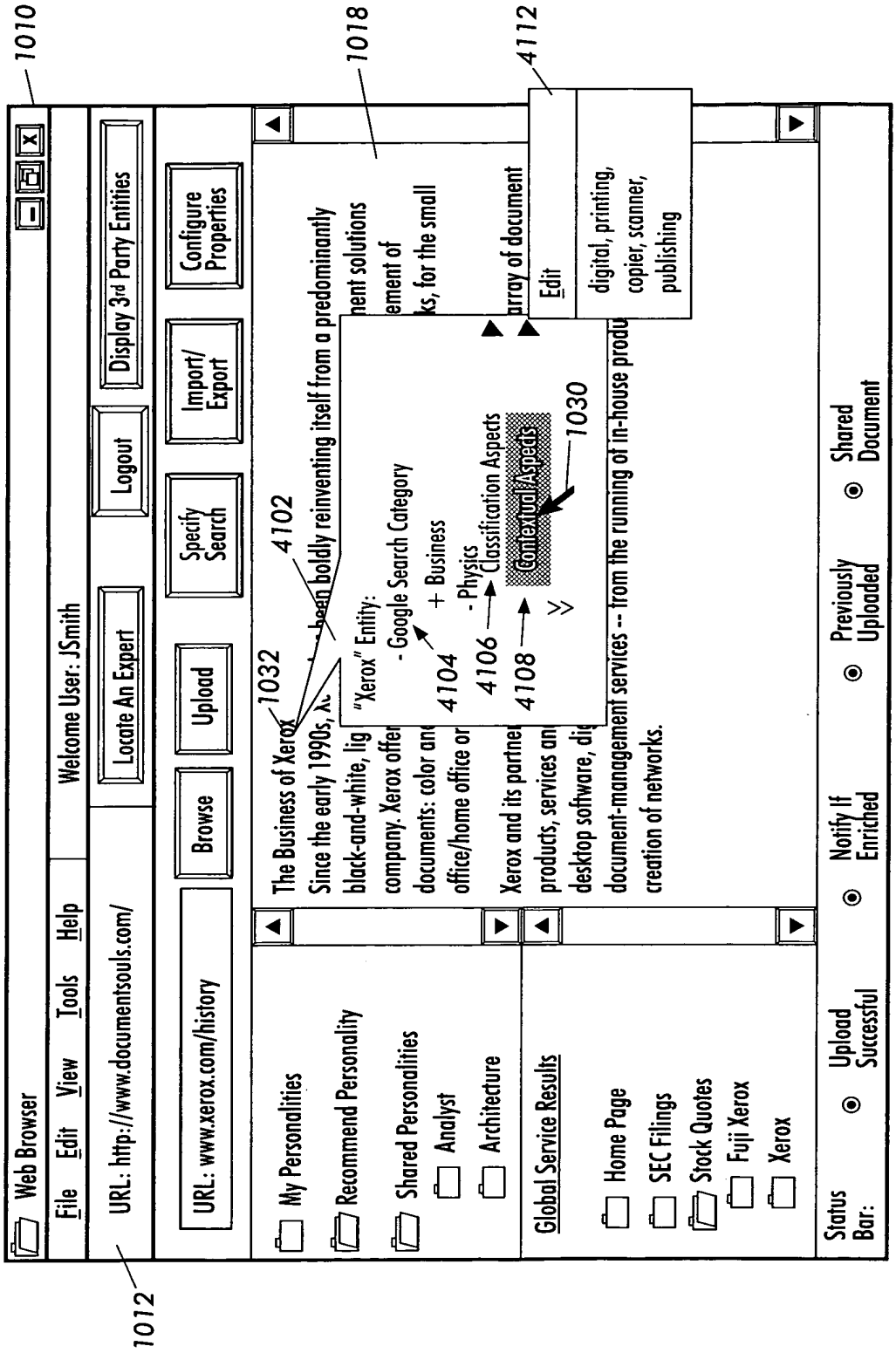

FIG. 41

OIPE JC141
APR 14 2003
PATENT & TRADEMARK OFFICE

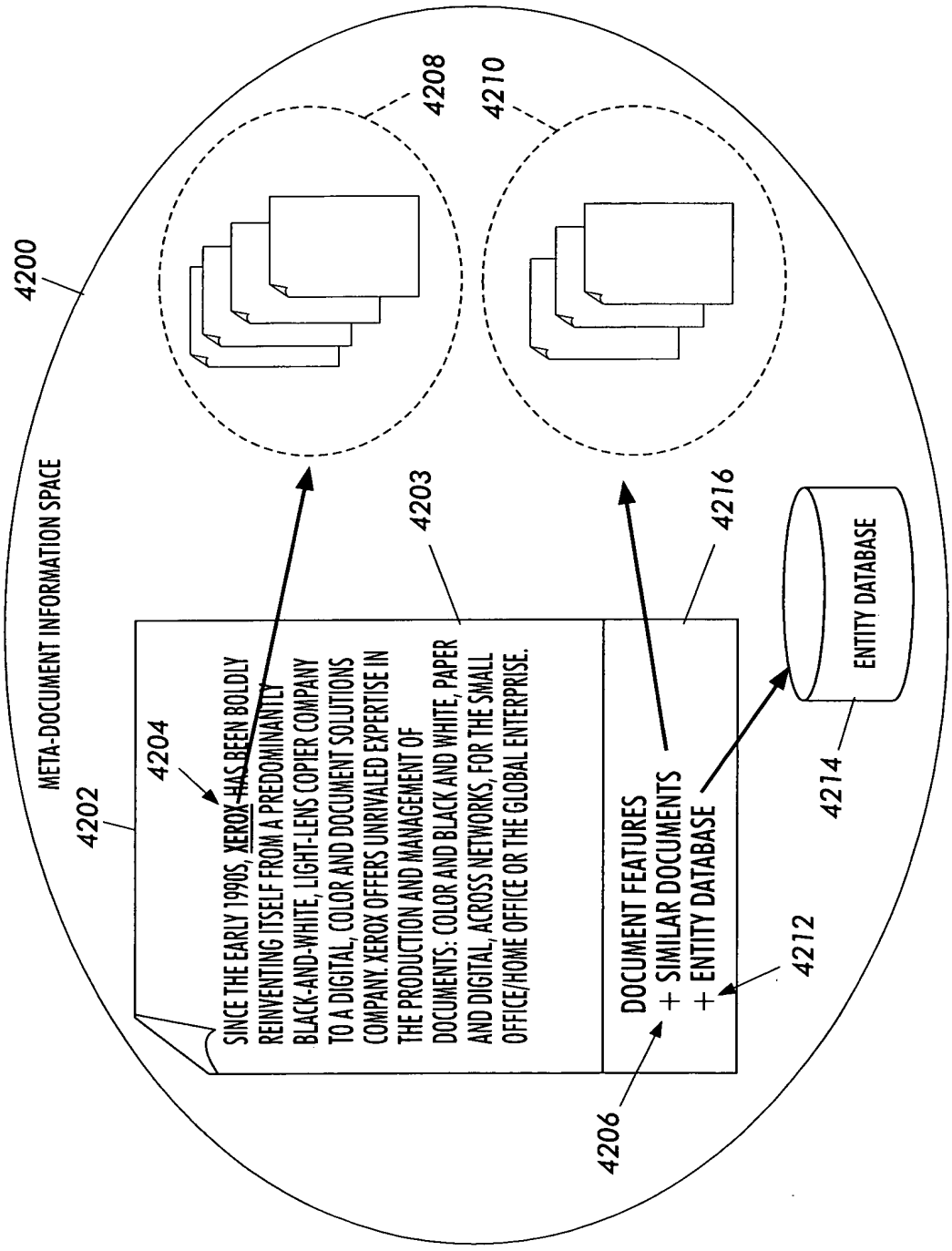

FIG. 42

OIPE JC141 APR 14 2003 PATENT & TRADEMARK OFFICE

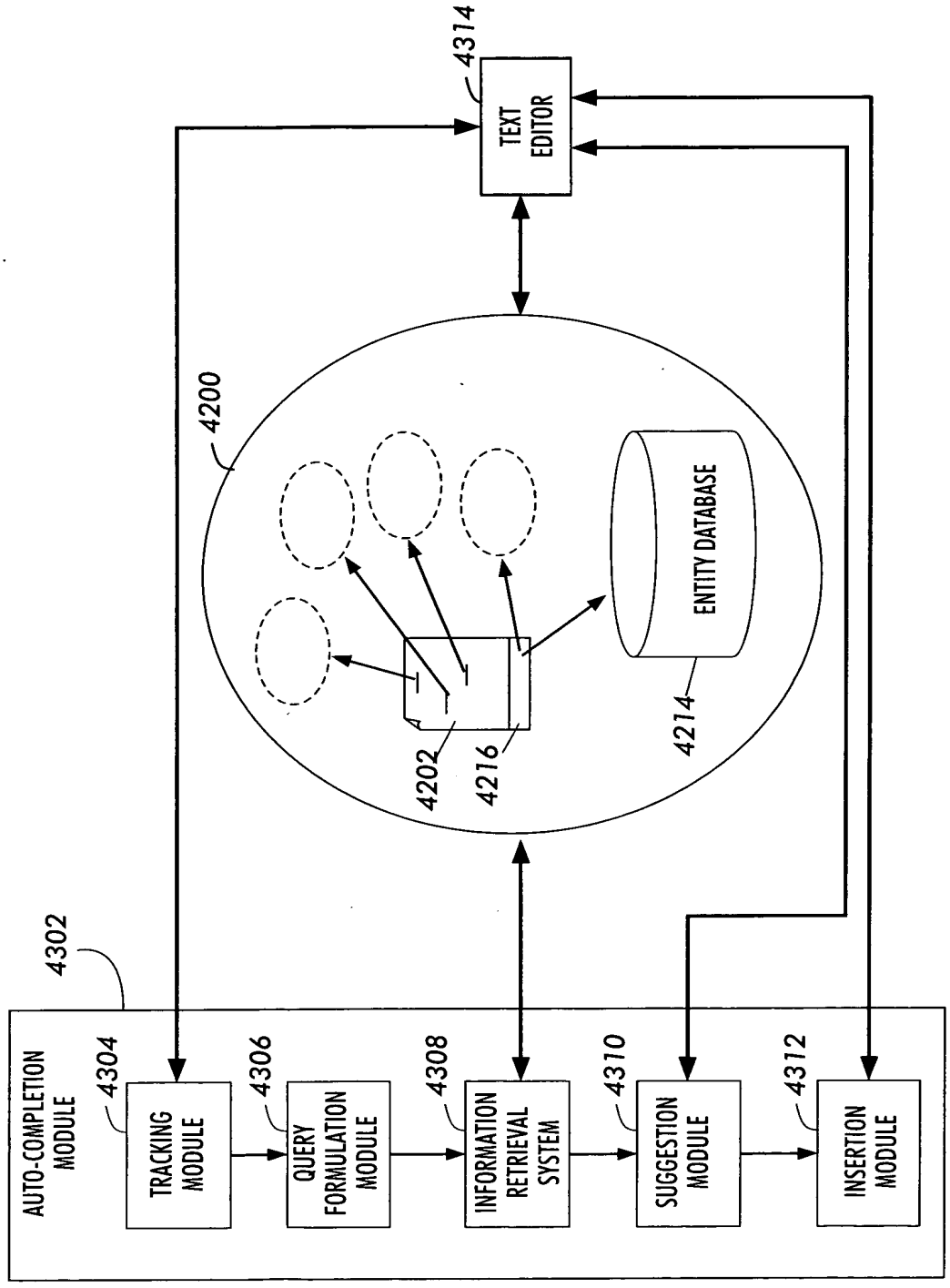

FIG. 43

OIPE JC141 APR 14 2003 PATENT & TRADEMARK OFFICE

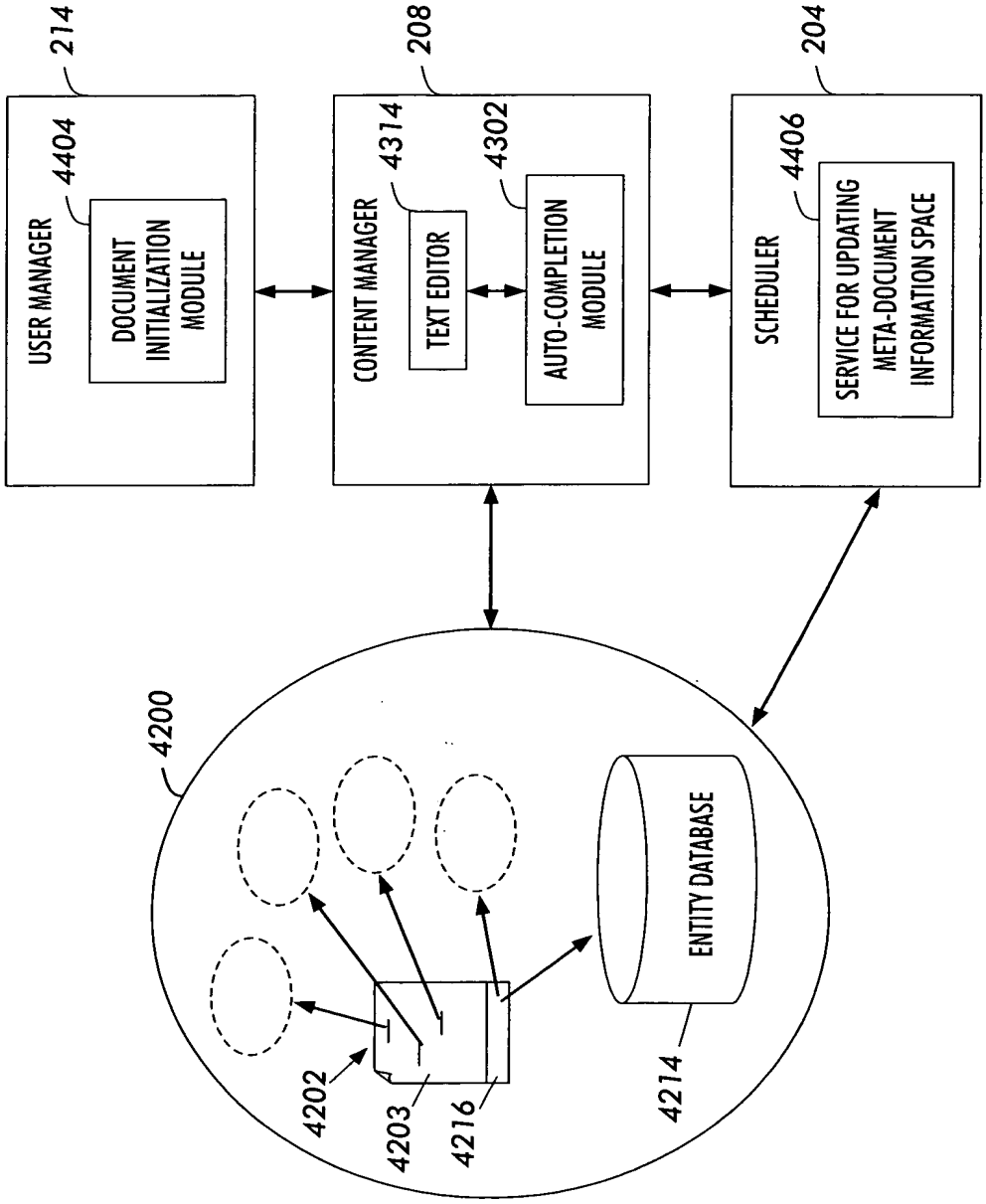

FIG. 44

OIPE JC141
APR 14 2003
PATENT & TRADEMARK OFFICE

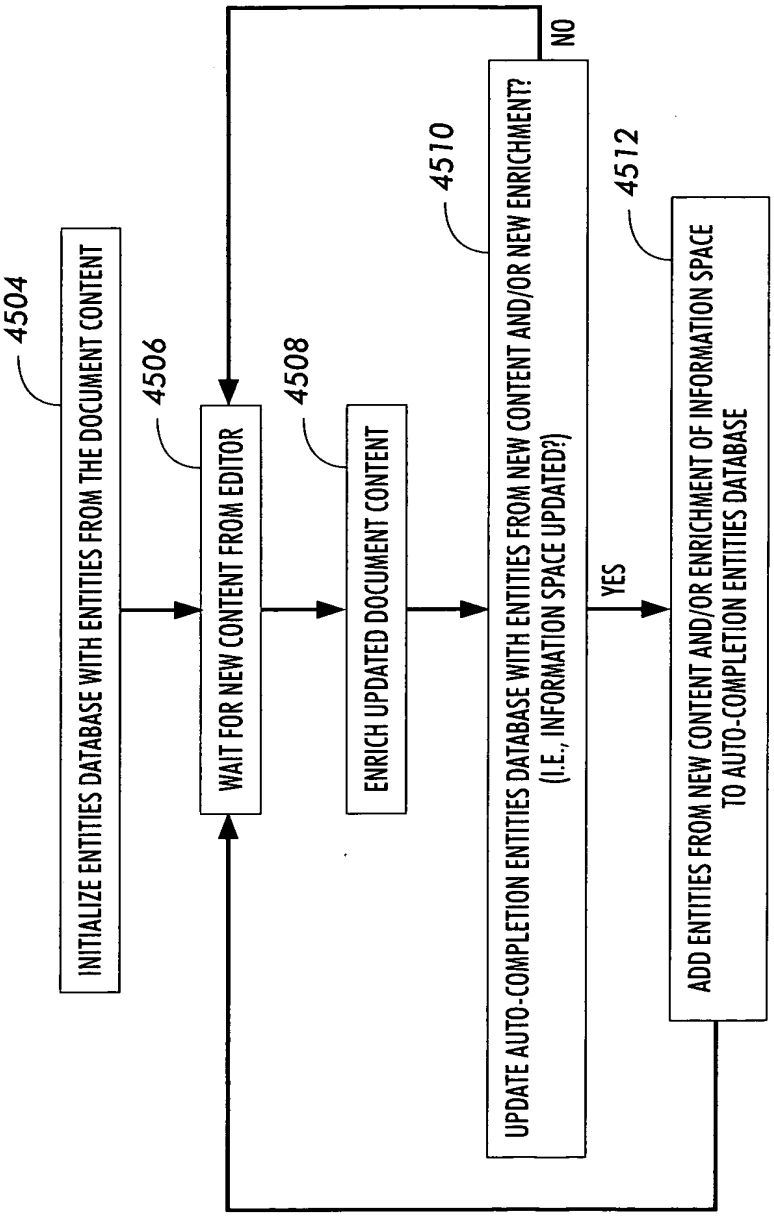

FIG. 45

OIPE JC141 APR 16 2003 PATENT & TRADEMARK OFFICE

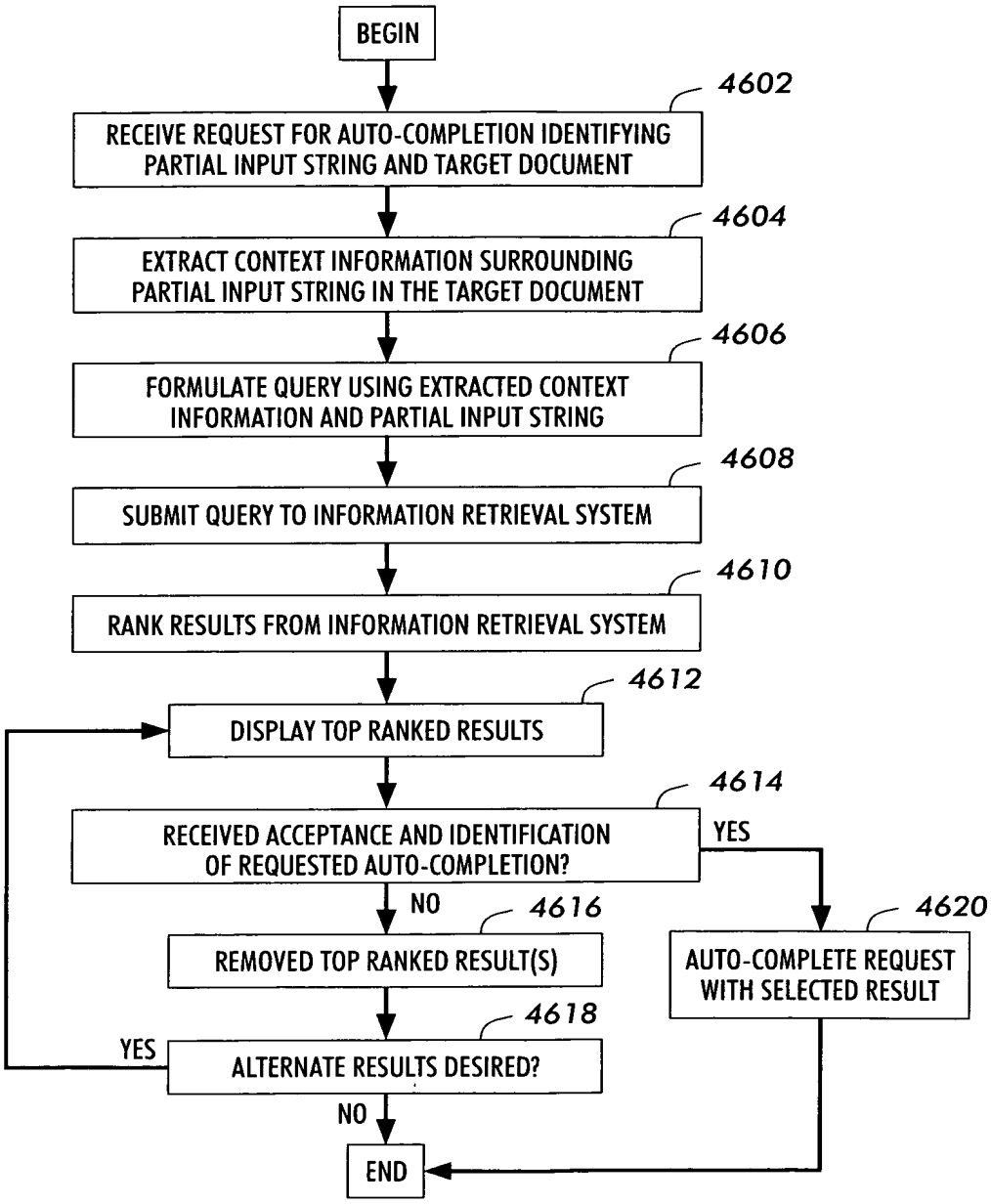

FIG. 46

OIPE JC141
APR 14 2003
PATENT & TRADEMARK OFFICE

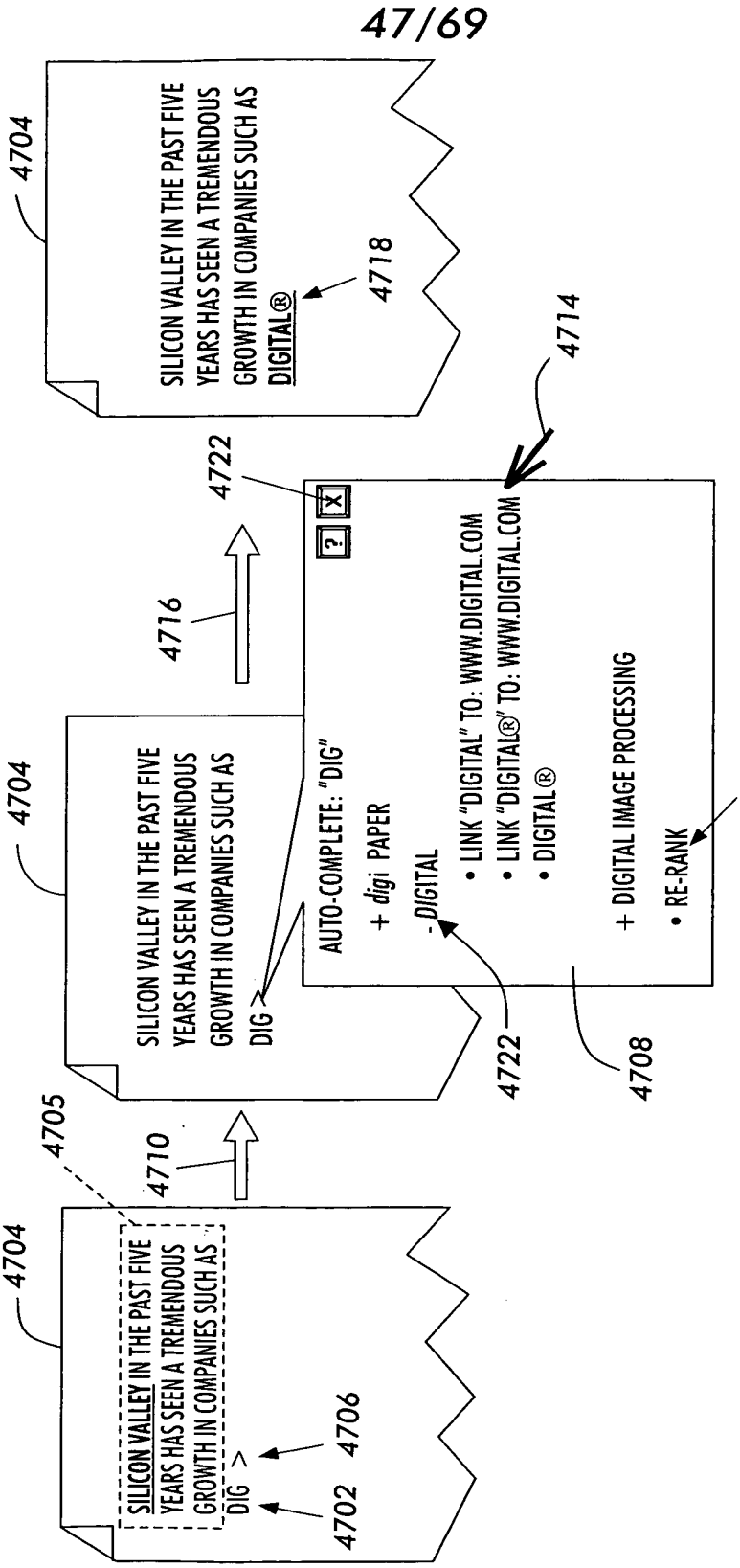

FIG. 47

OIPE
APR 14 2003
PATENT & TRADEMARK OFFICE

(A) KEY	(B) ENTITY	(C) MARKUP	(D) FORMAT	(E) ORIGIN	(F) ORIGIN POSITION	(G) PART OF SPEECH	(H) CONTEXT
Sili	Silicon Valley	www.siliconvalley.com	Capitalize	TARGET DOCUMENT CONTENT	1	Noun	Science
Dig	Digital	www.digital.com	®	www.digital.com	434	Adjective	Science
Dig	DigiPaper	NONE	Bold	www.parc.xerox.com	23	Noun	Science
Dig	digress	NONE	NONE	www.nytimes.com	343	Verb	Politics
...	...	...	...	...	...	...	...

FIG. 48

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PATENT & TRADEMARK OFFICE

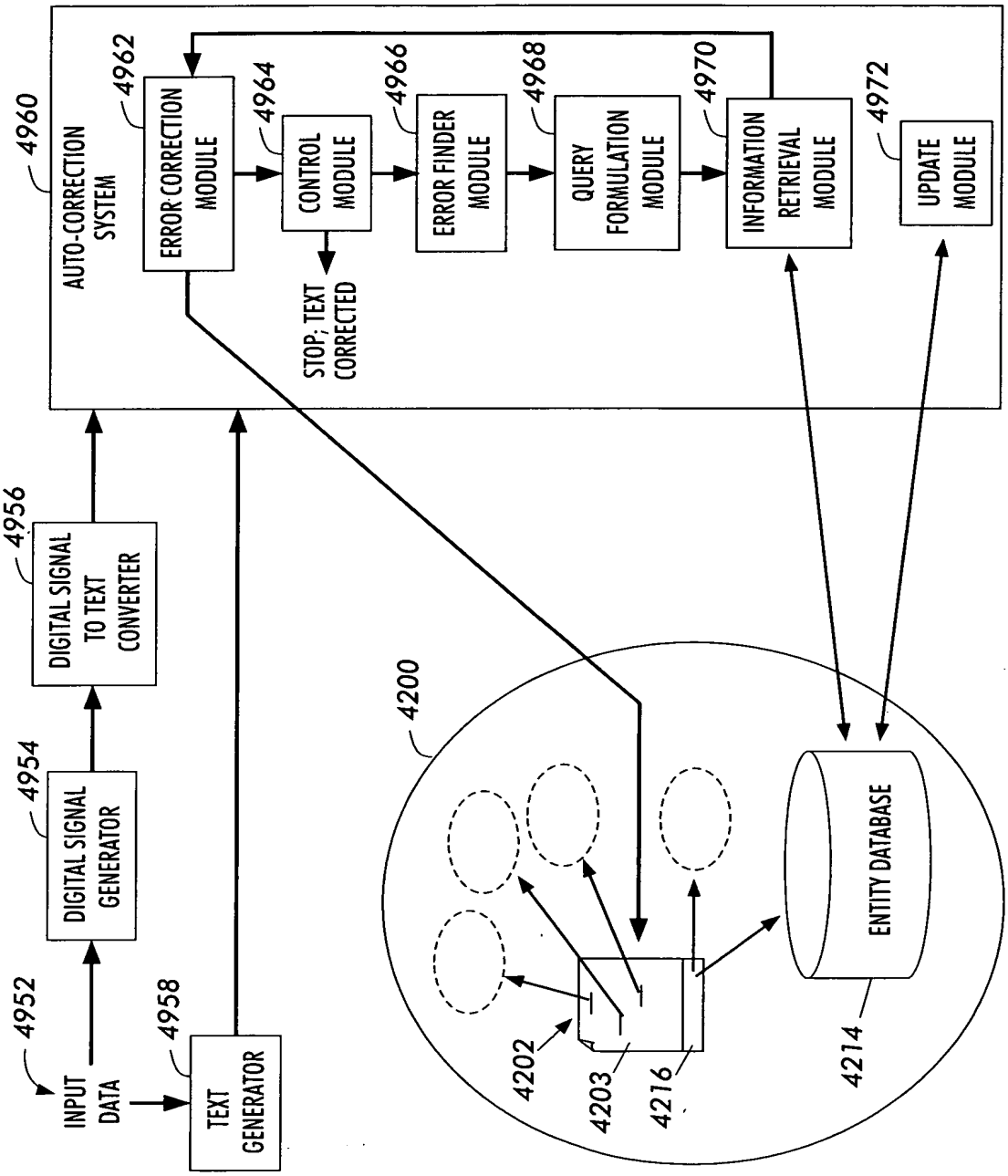

FIG. 49

OIPE JC141
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PATENT & TRADEMARK OFFICE

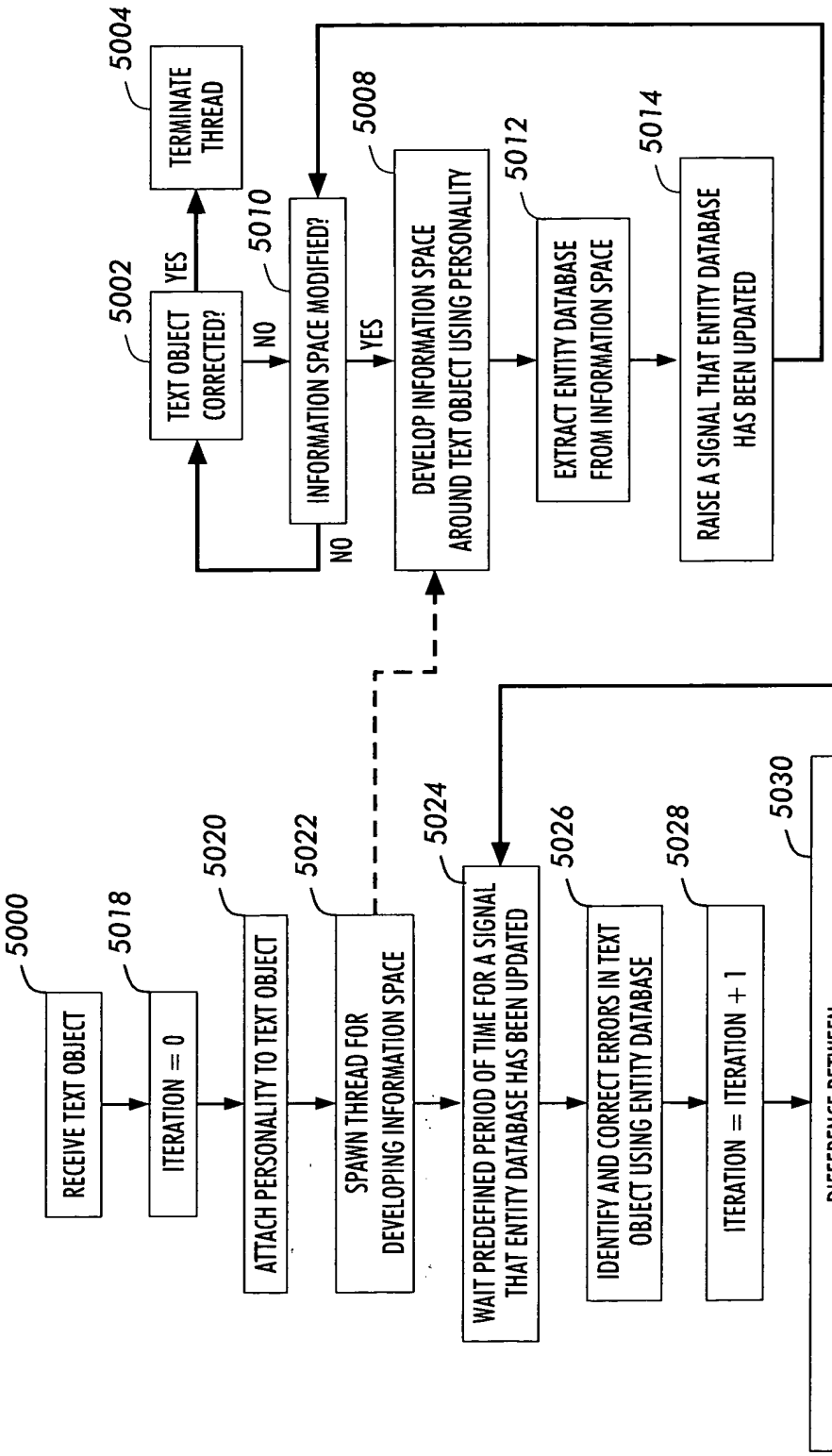

FIG. 50

OIPE JC141
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PATENT & TRADEMARK OFFICE

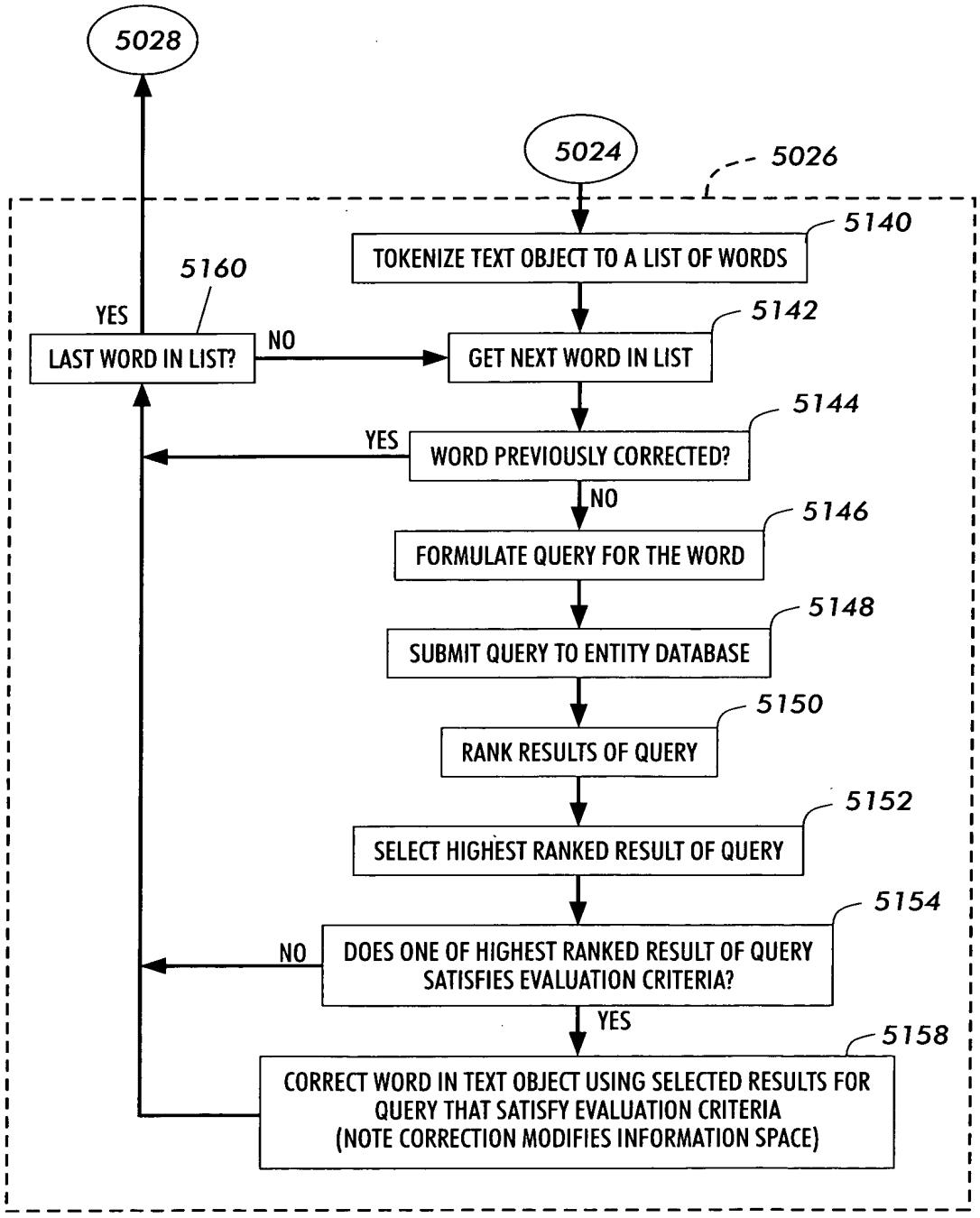

FIG. 51

OIPE JC141
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PATENT & TRADEMARK OFFICE

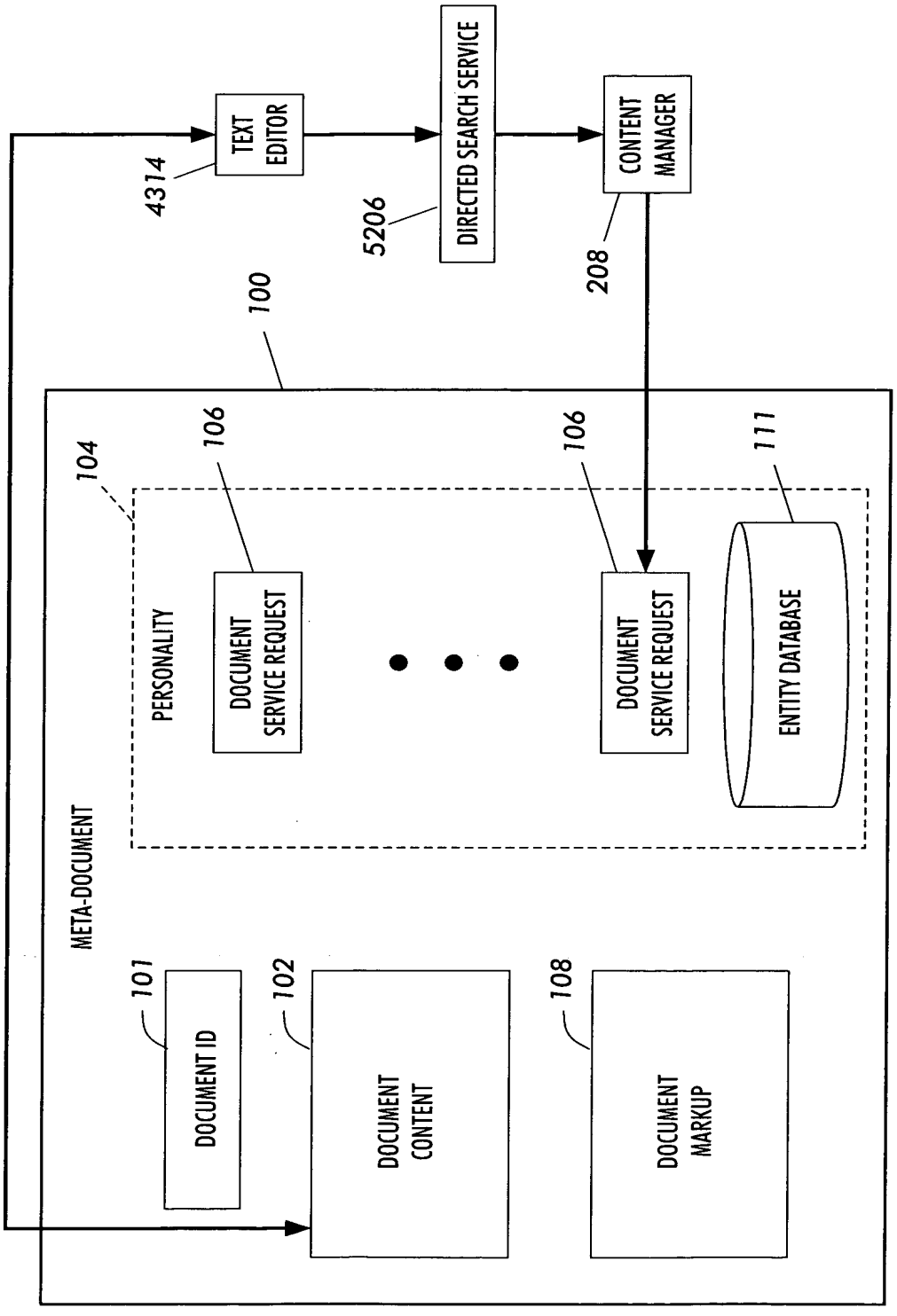

FIG. 52

OIPE JC141 APR 14 2003 PATENT & TRADEMARK OFFICE

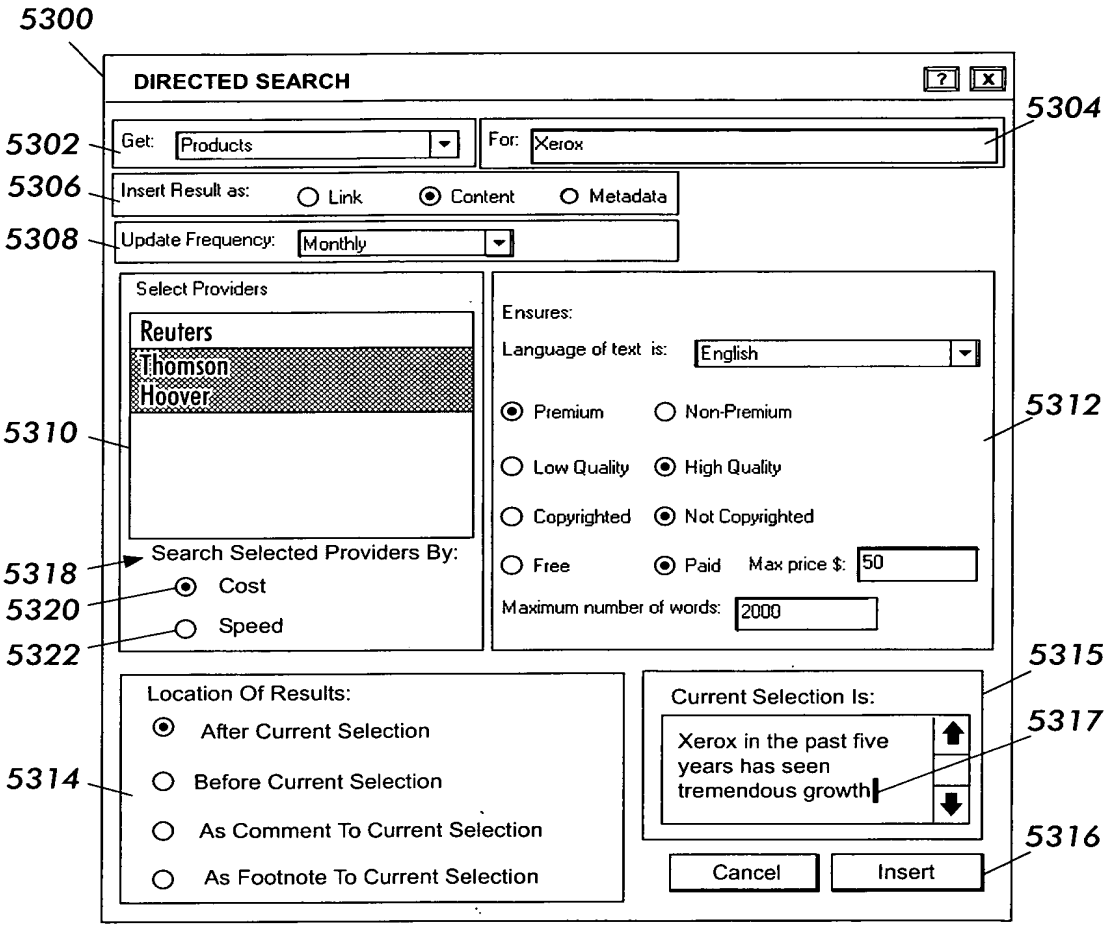

FIG. 53

OIPE
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5400

```
<service id='Products'
         refresh=30
         insert='Content'
         language='En'
         quality='Premium&High&Not-copyrighted&paid'
         maxprice='50'
         maxwords='2000'
         search='cost'>
    <entity>Xerox
        <offsets>13 18 456 461 710 715</offsets>
         <provider name='Thomson' id=18></provider>
         <provider name='Reuters' id=19></provider>
    </entity>
</service>
```

FIG. 54

OIPE JC14 APR 14 2003 PATENT & TRADEMARK OFFICE

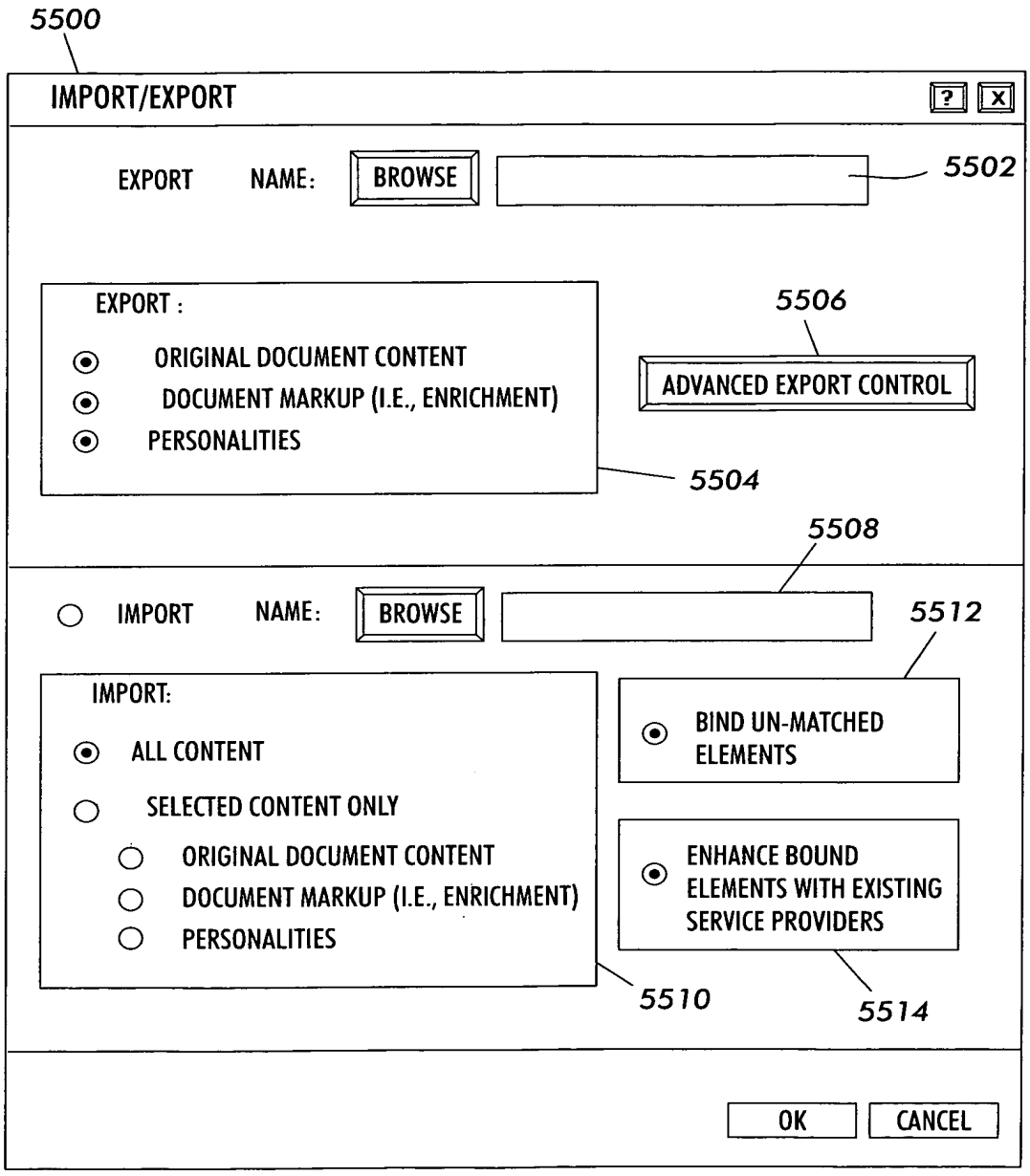

FIG. 55

OIPE
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PATENT & TRADEMARK OFFICE

```
<!- SERVER ID>
<docsouls:serverid> DS v1.0 server name </docsouls:serverid>
     <!- PROPERTIES OF DOCUMENT>
     <docsouls:docid> xxx </docsouls:docid>
     <docsouls:name> xxx </docsouls:name>
<docsouls:owner> xxx </docsouls:owner>
...
<!-- ORIGINAL DOCUMENTS DOCUMENT CONTENT>
<docsouls:originaldoc format="HTML">toto.html</docsouls:originaldoc>
<docsouls:browsingdoc format="HTML">browse.html</docsouls:browsingdoc>

<!- LIST OF PERSONALITIES AND DOCUMENT SERVICE REQUESTS>
<docsouls:endowmentdescription>
     <!-- LIST OF PERSONALITIES>
     <docsouls:personality id = " " name="" etc.>
          <docsouls:service id="" name="" etc.>
               <docsouls:provider name="" etc.>
               <docsouls:provider name="" etc.>
          </docsouls:service>
     <docsouls:personality>
     ...
     <!-- LIST OF SERVICE REQUESTS>
     <docsouls:service id="" name="" etc.>
          <docsouls:provider name="" etc.>
          <docsouls:provider name="" etc.>
     </docsouls:service>
     ...
</docsouls:endowmentdescription>
```

FIG. 56

PATENT & TRADEMARK OFFICE
APR 14 2003

```
<!- DESCRIPTIONS OF PERSONALITIES>
<docsouls:personalitydescription>
     <docsouls:id> xx </docsouls:id>
     <!-- all the fields AND service categories>
     <docsouls:servicecategory id="" name = "">
</docsouls: personalitydescription>

<!- NEXT PERSONALITY DESCRIPTION>
...

<!- DESCRIPTION OF DOCUMENT SERVICE REQUESTS>
<docsouls:servicedescription>
     <docsouls:id> xx </docsouls:id>
     <!-- list all fields (e.g., "refresh period", category, etc.)>
     <!-- list all providers>
     <docsouls:provider id="" name = "">
     <!-- list all strategies>
     <!-- list status of services (original, frozen, mapped, etc.)>
     <docsouls:servicestatus status="mapped" originalid="" originalserver="">
     <!-- list ServerId if the service was not available on current server>
     <docsouls:serverid>id</docsouls:serverid>
</docsouls:servicedescription>

<!- NEXT SERVICE REQUESTS DESCRIPTION>
...
```

FIG. 57

OIPE JC15
APR 14 2003
PATENT & TRADEMARK OFFICE

```
<!- DESCRIPTION OF PROVIDERS>
<docsouls:providerdescription>
     <docsouls:id> xx </docsouls:id>
     <!-- all the fields e.g. key, URL, etc.>
</docsouls: providerdescription >

<!- DESCRIPTION OF DICTIONARIES>
<docsouls:dictionarydescription>
     <docsouls:id> xx </docsouls:id>
     <!-- all the fields, e.g. category>
</docsouls:dictionarydescription>

<!- DESCRIPTION OF STRATEGY>
<docsouls:strategydescription>
     <docsouls:id> xx </docsouls:id>
     <!-all the fields>
     <!-all the dictionaries>
</docsouls:strategydescription>

<!- RESULTS OF GLOBAL SERVICES >
<docsouls:globalservice id="Summary">
     <docsouls:link> xxx </docsouls:link>
     <docsouls:content> xxx </docsouls:content>
</docsouls:globalservice>

<!- OTHER RESULTS (E.G. KEYWORDS, CATEGORIES, ETC. >
```

FIG. 58A

2176
09/683,240

OIPE JC14
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PATENT & TRADEMARK OFFICE

```
<!- (OPTIONAL) DESCRIPTION OF ENRICHMENT PERFORMED AT OTHER DOCUMENT ENRICHMENT
SYSTEMS>
<docsouls:serverid>olderServerId</docsouls:serverid>
<docsouls:personalitydescription>...</docsouls: personalitydescription>
<docsouls:servicedescription>...</docsouls:servicedescription>

<!- (OPTIONAL) LIST OF RESULTS OF THE LAST ENRICHMENT>
     <!- IDENTIFY DOCUMENT SECTION IN CASE OF MULTI-PART DOC>
     <docsouls:docpart>main_frame.html</docsouls:docpart>
     <!- OFFSET WHEN ENRICHMENT APPLIES TO A SECTION>
     <docsouls:offset> 0 200 </docsouls:offset>
     <!- STATUS OF SERVICE APPLIED ("ACTIVE" OR "FROZEN")>
     <docsouls:service id="StockQuote" status="active">
          <!-- ENTITY>
          <docsouls:entity>Xerox
               <!-- NORMALIZED FORM >
               <docsouls:normform>Xerox</docsouls:normform>
               <!-- LIST OF OFFSETS WHERE ENTITY IS FOUND IN TEXT RELATIVE TO SECTION>
               <docsouls:offsets start=35 end=40 />
               <docsouls:offsets start=232 end=237 />
               <!-- DICTIONARIES >
               <docsouls:dict> xxx </docsouls:dict>
               <!-- STRATEGIES >
               <docsouls:strat> xxx </docsouls:strat>
               <!-- LINK INFORMATION >
               <docsouls:link> xxx </docsouls:link>
               <!-- CONTENT INFORMATION >
               <docsouls:content> xxx </docsouls:content>
          </docsouls:entity>
          <!-- NEXT ENTITY>
          ...
     </docsouls:service>
```

FIG. 58B

OIPE JC141
APR 14 2003
PATENT & TRADEMARK OFFICE

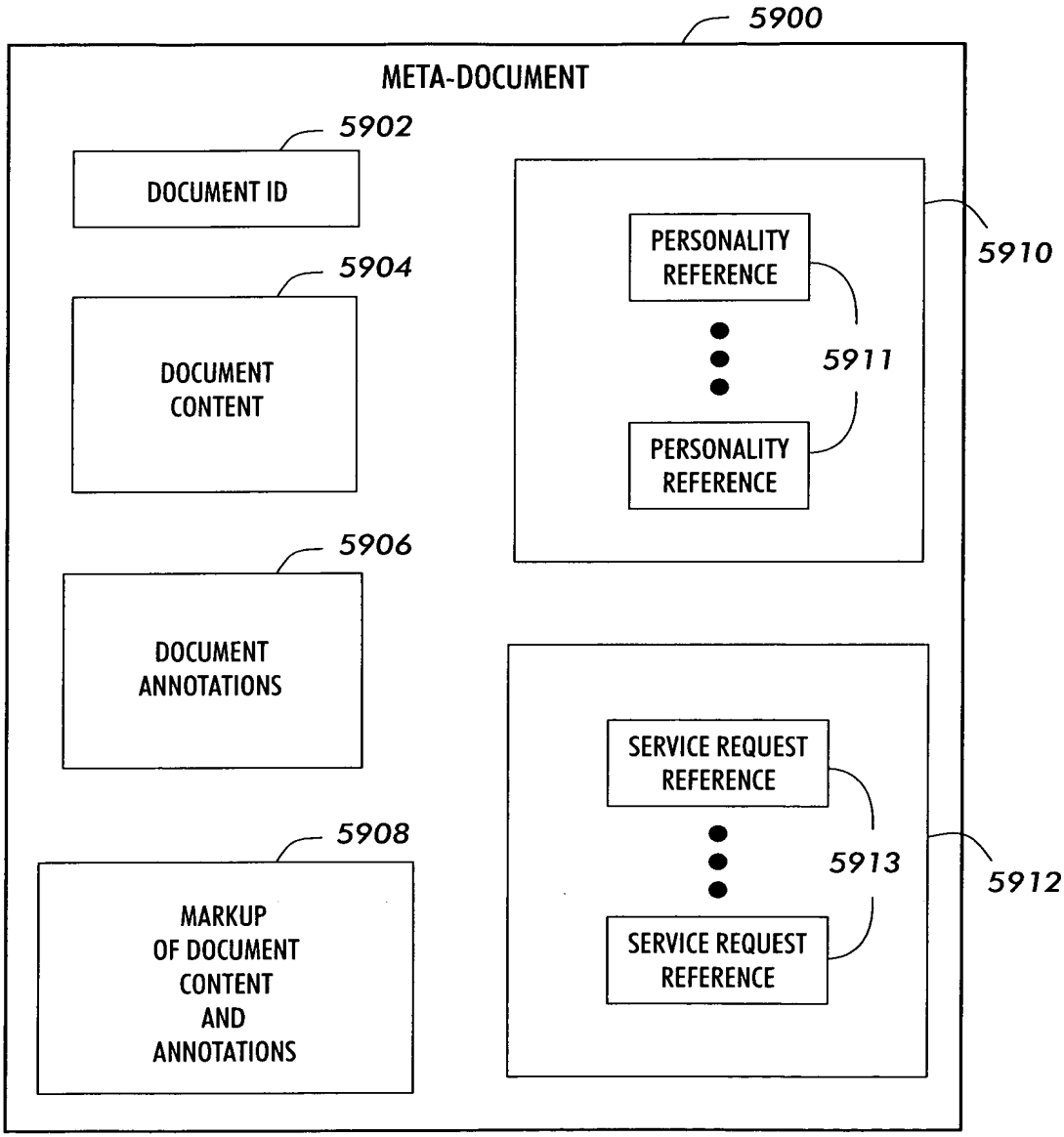

FIG. 59

OIPE 3514
APR 14 2003
PATENT & TRADEMARK OFFICE

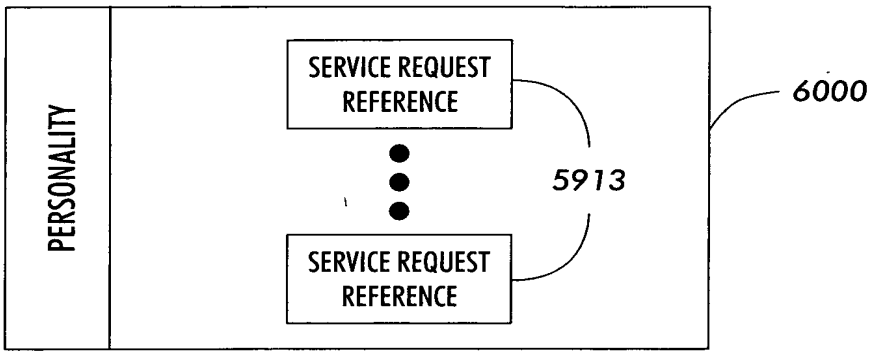

FIG. 60

OIPE JC141 APR 14 2003 PATENT & TRADEMARK OFFICE

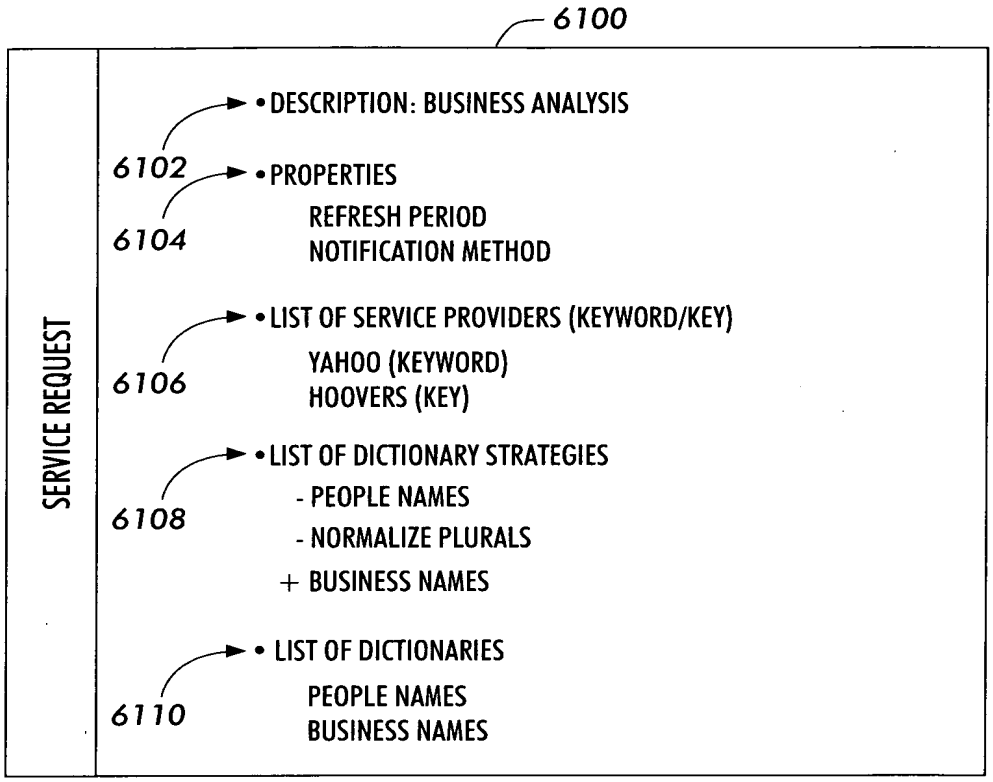

FIG. 61

OIPE JC141 APR 14 2003 PATENT & TRADEMARK OFFICE

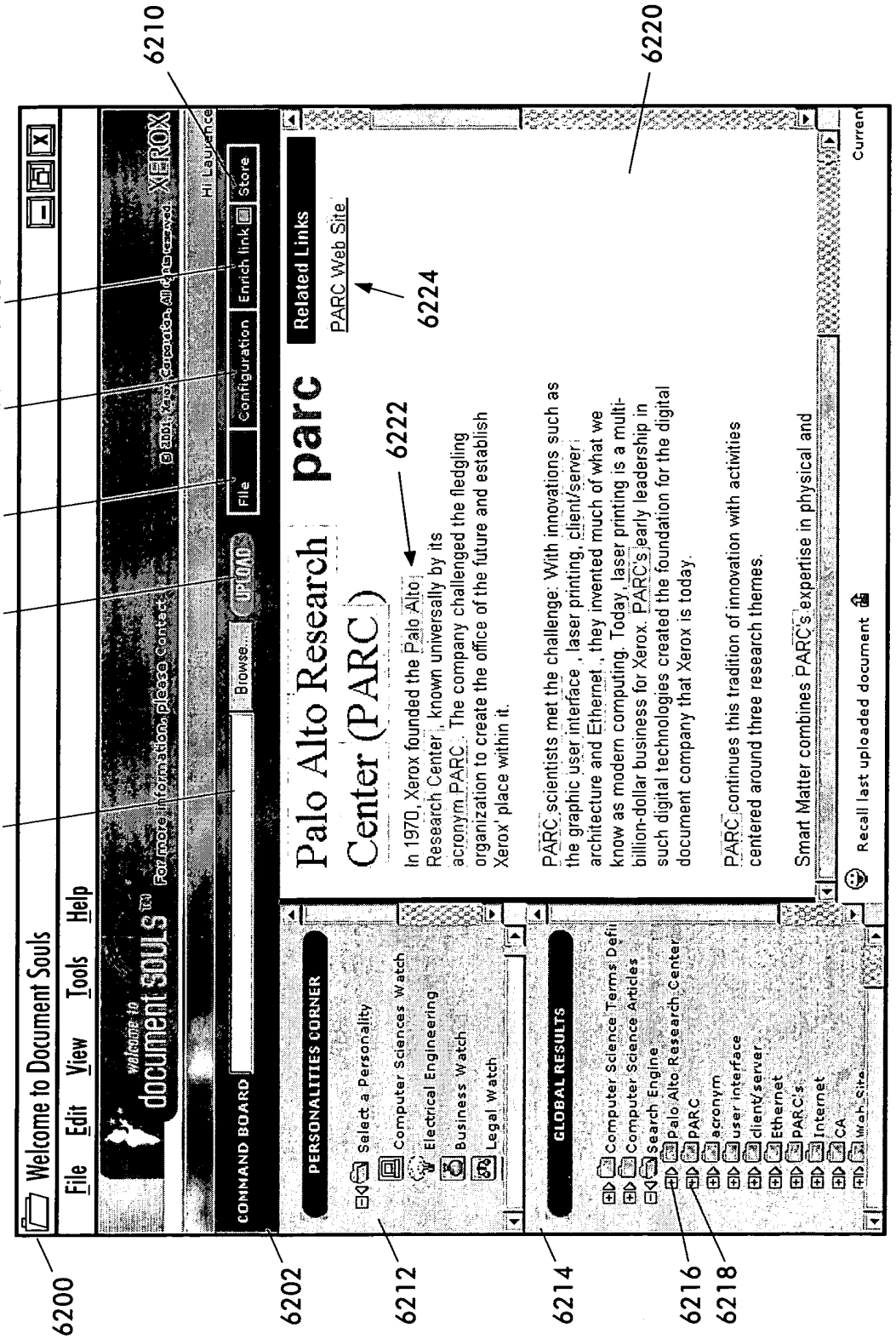

FIG. 62

OIPE JC147
APR 14 2003
PATENT & TRADEMARK OFFICE

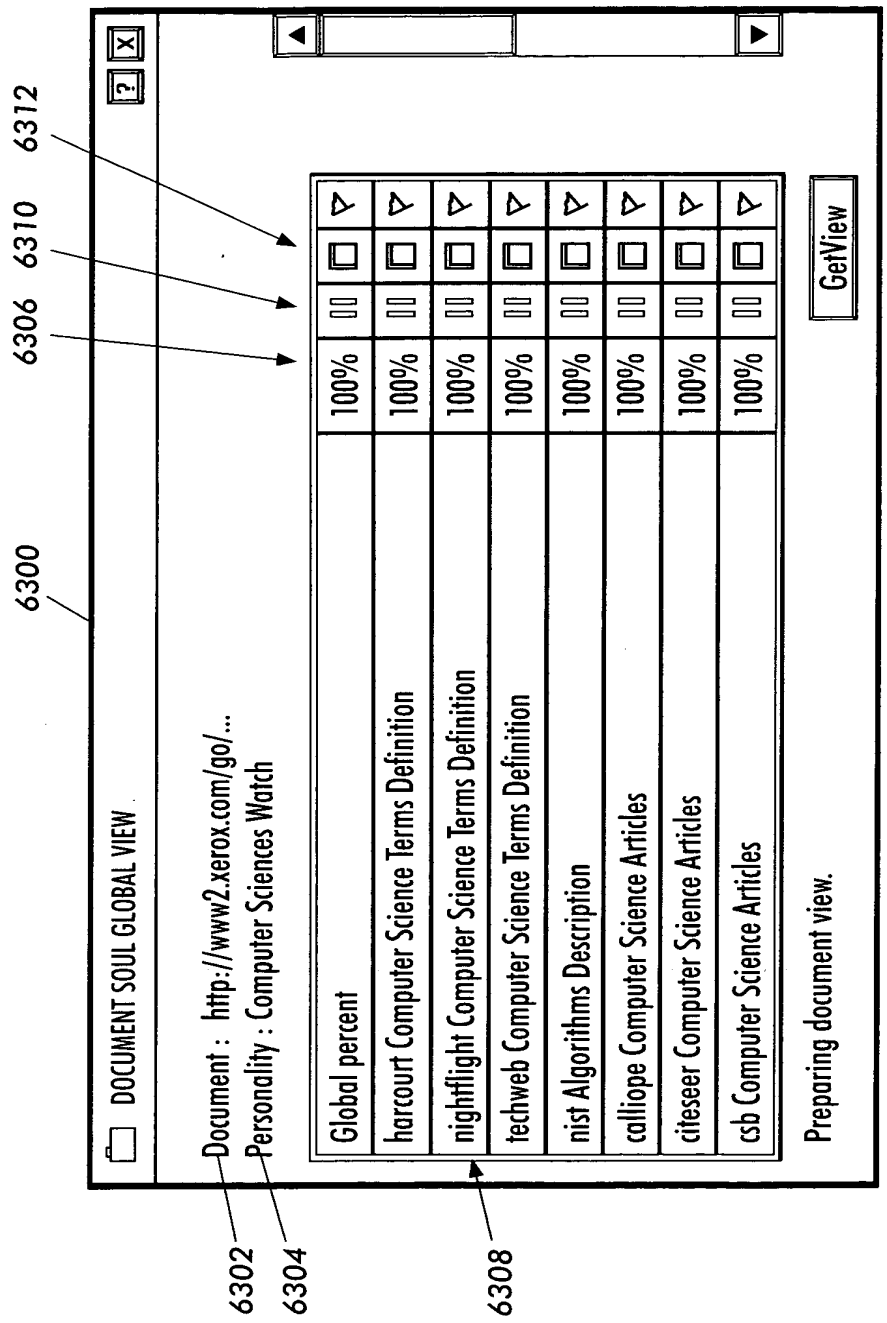

FIG. 63

OIPE JC141
APR 14 2003
PATENT & TRADEMARK OFFICE

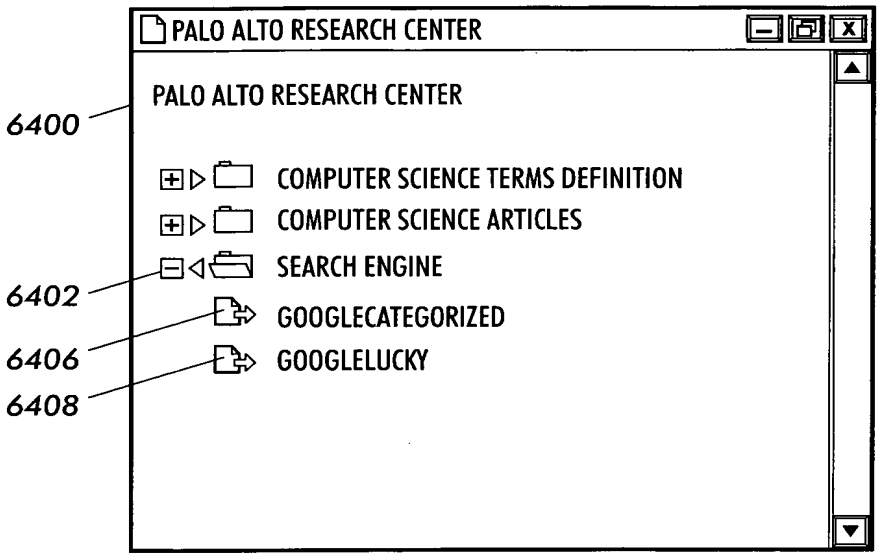

FIG. 64

OIPE JC141
APR 14 2003
PATENT & TRADEMARK OFFICE

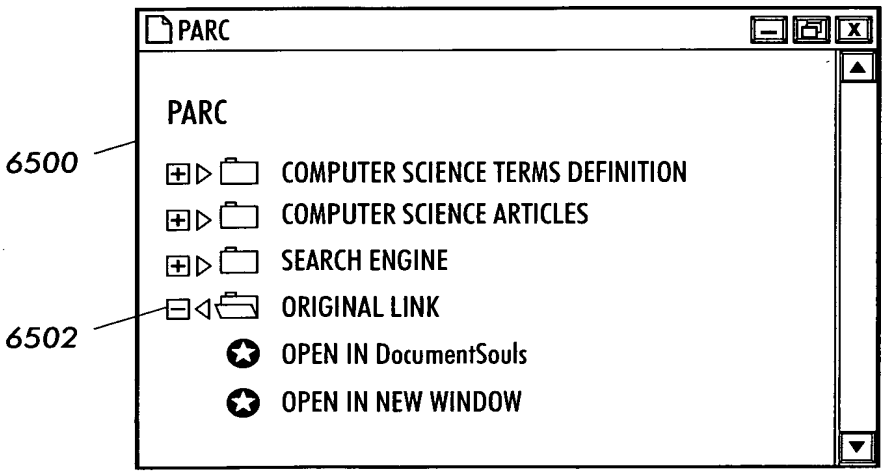

FIG. 65

APR 14 2003
PATENT & TRADEMARK OFFICE

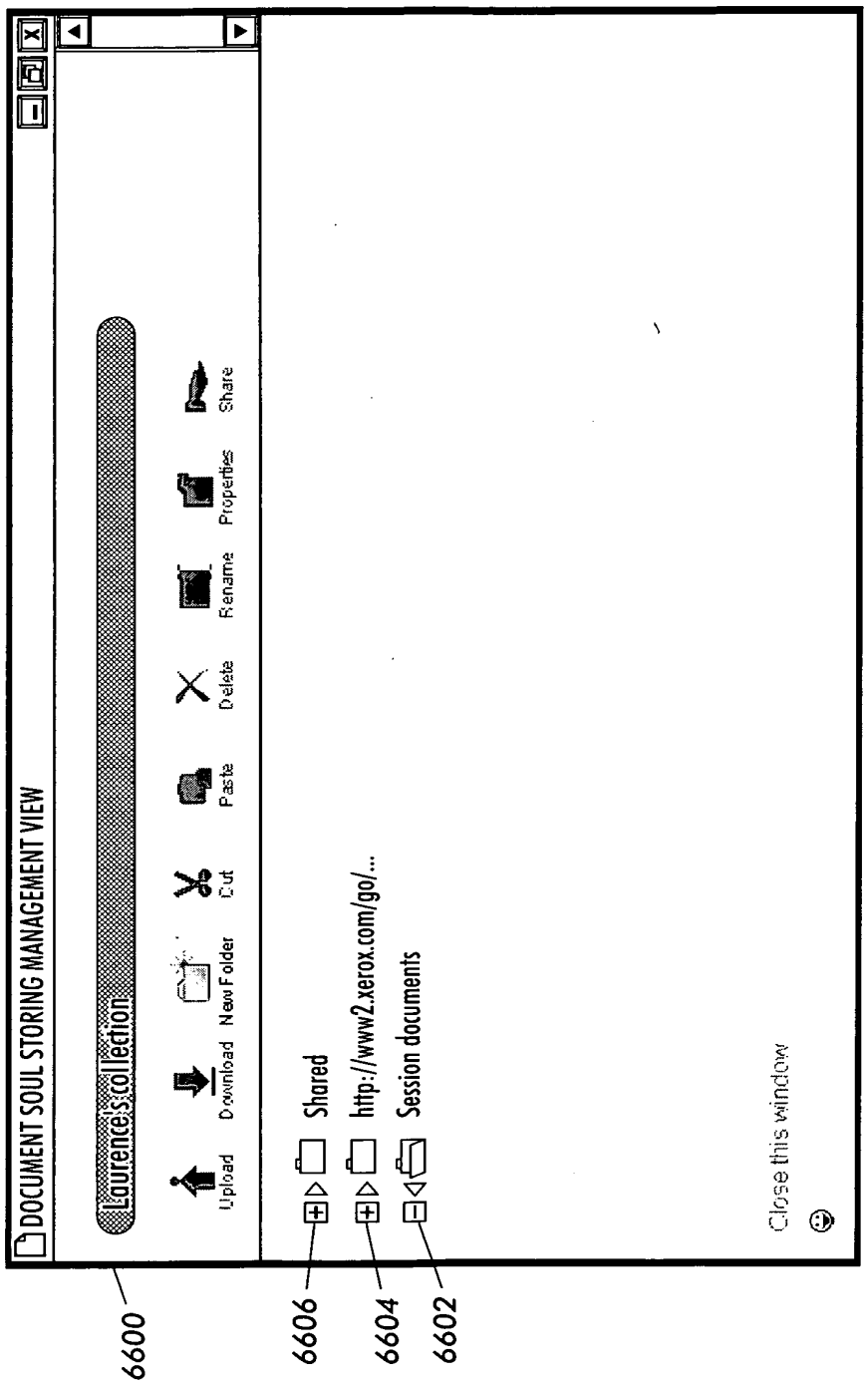

FIG. 66

OIPE JC141
APR 14 2003
PATENT & TRADEMARK OFFICE

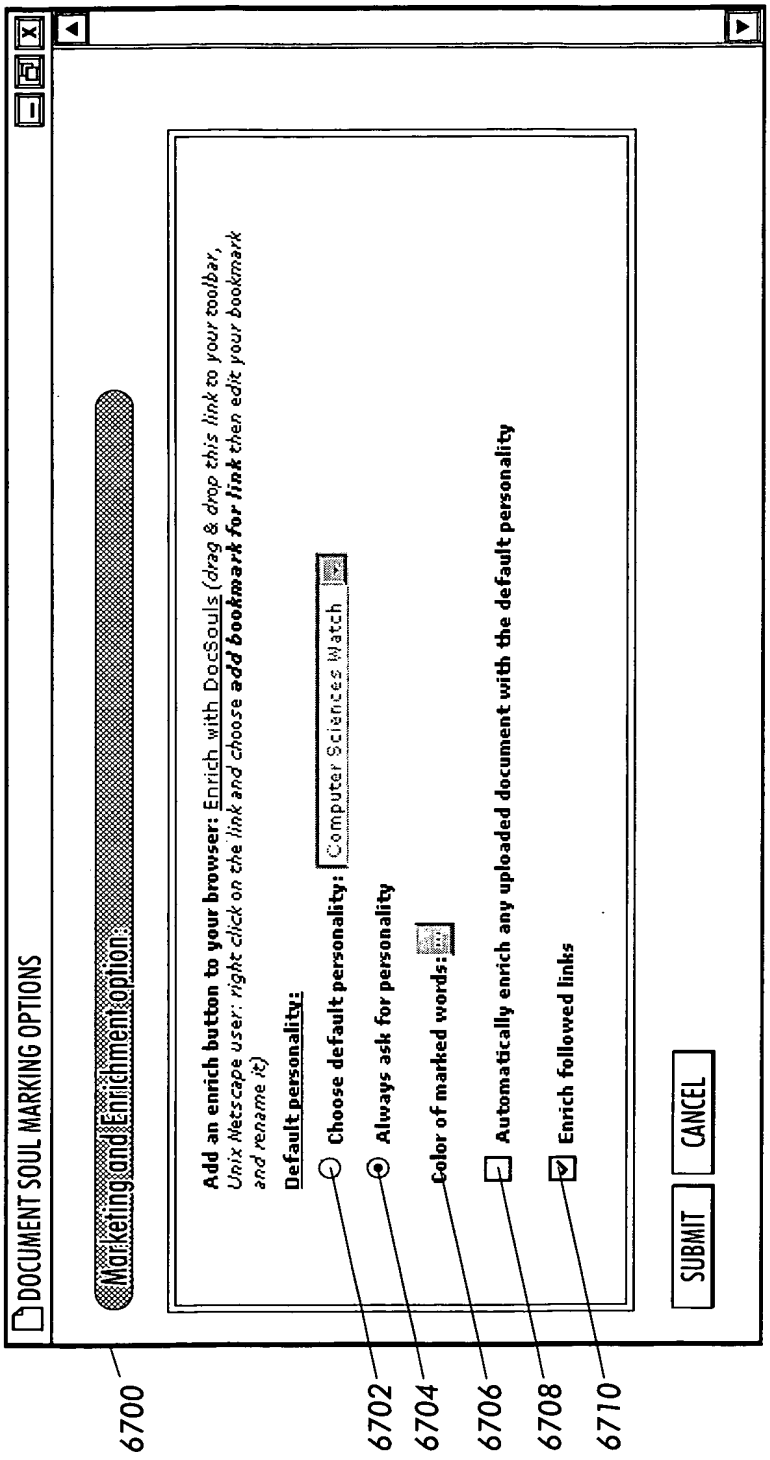

FIG. 67

OIPE JC141
APR 14 2003
PATENT & TRADEMARK OFFICE

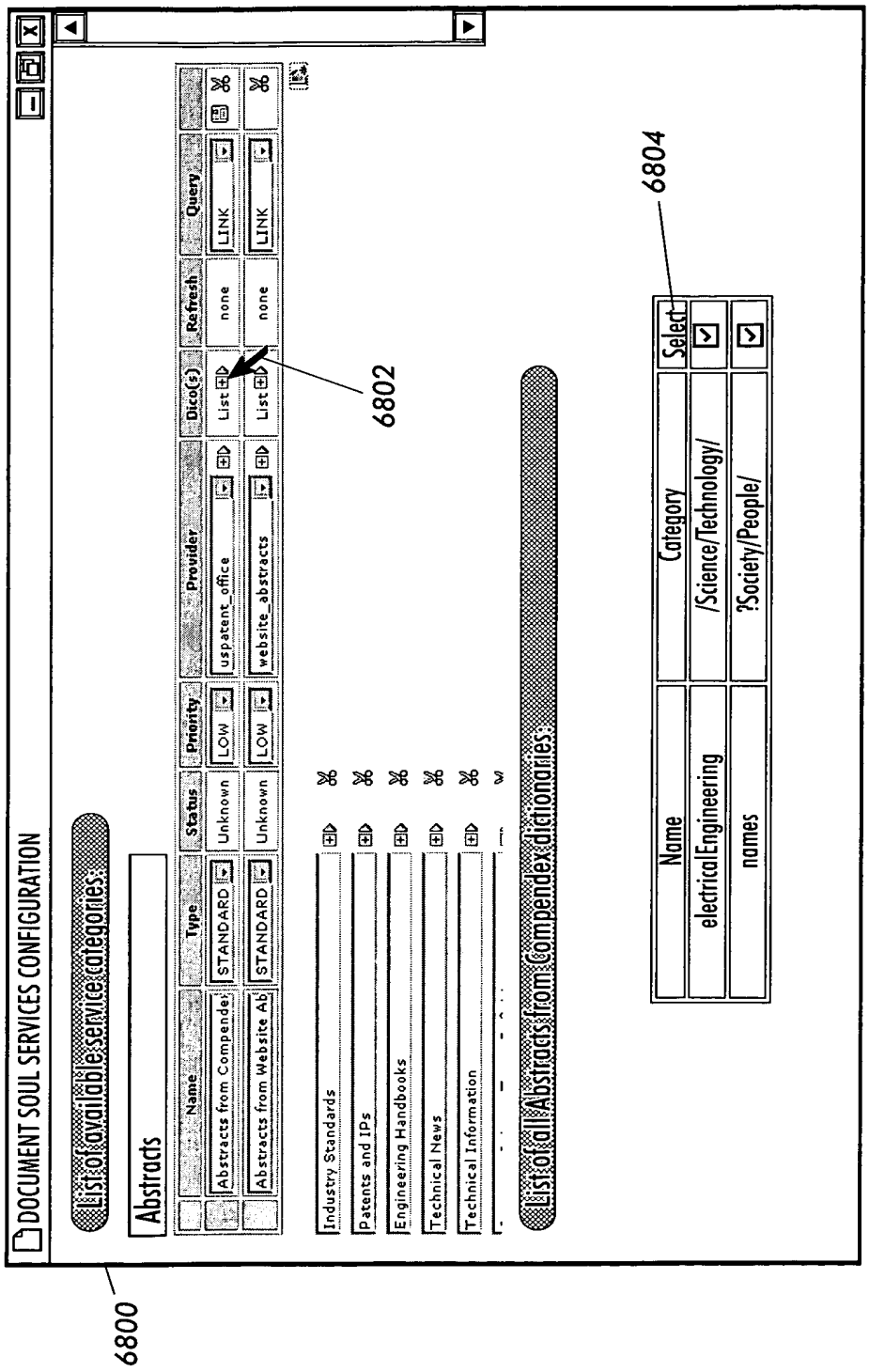

FIG. 68